

the three largest cygnets, and the white down was in course of being moulted, flying off from the birds when they moved briskly; the white frontal spot was still perceptible. On the 3rd August the smallest and most backward cygnet died, being still in the down with the exception of a slight indication of the tail-feathers; it was tinged with brownish-grey on the wings and tail, and more slightly on the head, but elsewhere was white throughout. On the 27th September another cygnet died: it had lost its down and was well feathered throughout; its general colour was white; but the head and back of the neck were tinged with greyish brown; the feathers on the wing-coverts and back were also all more or less broadly tipped with a similar tint. The two surviving cygnets subsequently became pure white, but did not lose the greyish brown tint on the crown of the head till May 1877; and in fact one of them still (on June 4) retains traces of it. In the other bird it has been replaced by the ferruginous colour so common on the crown of the head of adult Swans, and which I think I have observed to be more conspicuous, in the ordinary race, in male than in female birds.

The old pair have again hatched a brood this spring, six in number; and the cygnets resemble those of last year, being of a pale greyish cinnamon-brown on the upper parts, but nearly white on the head. Whether the prevalence of this brownish-grey tint in both broods is an indication of one or both the parents not being quite true-bred, is a question which I am not competent to decide, but which may be worthy of consideration.

6. The Lepidopterous Fauna of the Andaman and Nicobar Islands. By F. MOORE, F.Z.S., Assistant Curator, India Museum, London.

[Received June 7th, 1877.]

(Plates LVIII.—LX.)

Note.—The materials used for the accompanying paper were mostly collected in the S. Andamans by Mr. F. A. De Rœpstorff, the Deputy-Superintendent in charge of that Settlement. The specimens were forwarded to this country for disposal; and I have to thank the several gentlemen into whose hands they ultimately went for their kind permission to describe them. Those from the Nicobars were chiefly collected by Mr. R. Meldola, who accompanied the late Venus-Transit Expedition to those islands, to whom my thanks are also due.

June 5th, 1877.







3.



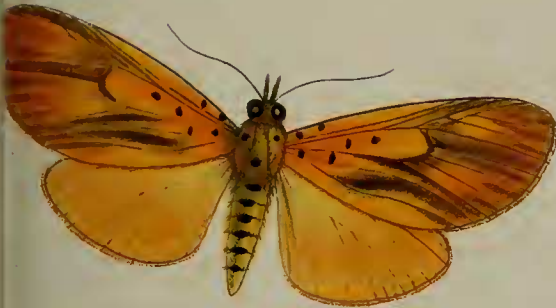
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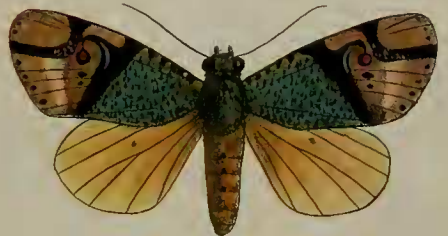
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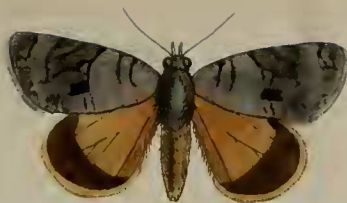
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Mintern Bros imp.





7.



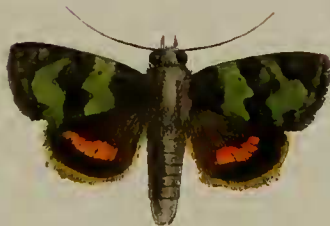
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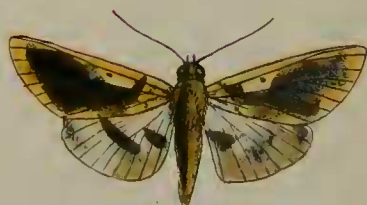
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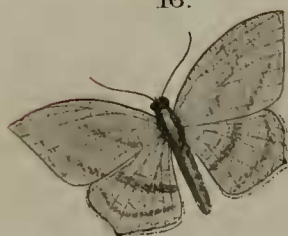
16.



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17.



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Tribe PAPILIONES.

Family DANAIDÆ.

DANAIS LIMNIACE, Cram. Pap. Exot. i. pl. 59. f. D, E.

D. leopardus, Butler, P. Z. S. 1866, p. 52.

Nicobars (Nankowry), April, *Meldola*.

DANAIS AGLEOIDES, Felder, Verh. zool.-bot. Ges. 1862, p. 486.

Nicobars (Sambelong).

DANAIS GRAMMICA, Boisd. Spec. Gén. Lép. i. pl. 11. f. 10 (1836).

Nicobars (Kamorta), *Meldola*, April.

DANAIS MELANOLEUCA, n. sp. (Plate LVIII. fig. 3.)

Male and female. Black: fore wing with white space within the cell, two thirds of space between lower median and submedian veins; four discal spots, an indistinct costal basal streak, three costal spots before the apex, two lower elongated streaks, followed by a dentate spot and three smaller rounded submarginal spots; some marginal white dots near posterior angle, and a small spot below the apex; the space within the cell with short, narrow, dusky streaks from its

¹ Of which 93 are new species.

end, and a median dusky line within the space below the median vein: hind wing with white space within the cell and between the veins to one third from outer margin, the upper spaces concave, and the lower conical externally; an indistinct dusky lunule crossing the end of the two lower median spaces, a prominent black bifid streak within the cell, and a line between lower median and submedian; a submarginal series of small white spots, two between each vein (two being obsolete in the male on the sexual mark), and a marginal series of seven smaller spots from anal angle. Head and thorax with white spots and streaks. Abdomen cinereous brown above, white beneath. Femora and tibiæ white-streaked.

Expanse, ♂ $2\frac{3}{8}$, ♀ $2\frac{1}{8}$ inches.

S. Andamans (Port Blair). In coll. H. Druce and F. Moore.

Near to *D. vitrina*, Feld.

DANAIS NESIPPUS, Felder, Verh. zool.-bot. Ges. 1862, p. 486.

Nicobars (Sambelong).

DANAIS PLEXIPPUS, Linn. S. N. i. 2. p. 767.

Nicobars (Nankowry and Kamorta), *Meldola*, April.

EUPLÆA NOVARA, Felder, Verh. zool.-bot. Ges. 1862, p. 482; Novara Reise, Lep. ii. p. 317, pl. 39. f. 7.

Nicobars (Kar Nicobar).

EUPLÆA ESPERI, Felder, Verh. zool.-bot. Ges. 1862, p. 482.

Nicobars (Kar Nicobar).

EUPLÆA ANDAMANENSIS, Atkinson, P. Z. S. 1873, p. 736.

S. Andamans (Port Blair).

EUPLÆA CAMORTA, n. sp.

Male. Upperside—both wings dark blackish olive-brown, paler on outer margins; fore wing with a short, straight, narrow silky streak between lower median and submedian veins; hind wing with the anterior border broadly cinereous, the upper part of the cell being slightly greyish brown. Underside paler; fore wing with four bluish-white spots, one being on the costa above end of the cell, another at its lower end, the other two outside; the sexual streak long, narrow, and patch on hind margin pale flesh-colour; hind wing with seven median bluish-white spots.

Expanse $3\frac{1}{8}$ inches.

Nicobars (Kamorta), April 4th, 1875. In coll. R. Meldola.

HESTIA AGAMARSCHANA, Felder, Novara-Reise, Lep. ii. p. 351, pl. 43. f. 7 (1867).

S. Andamans (Port Blair).

Fam. SATYRIDÆ.

LETHE EUROPA, Fabr. Syst. Ent. p. 500 (1775); Hübn. Samml. Schmett. i. pl. 90. f. 1-4.

S. Andamans (Port Blair).

MELANITIS LEDA, Linn. S. N. i. 2. p. 773 (1767).

S. Andamans (Port Blair).

MYCALESIS MEDUS, Fabr. Syst. Ent. p. 488 (1775).

Nicobars (Kamorta), April, *Meldola*.

MYCALESIS DRUSIA, Cram. Pap. Exot. i. pl. 84. f. C, D.

S. Andamans (Port Blair); Nicobars (Kamorta), April, *Meldola*.

MYCALESIS SAMBA, Moore, Catal. Lep. E.I. C. i. p. 233.

S. Andamans (Port Blair).

MYCALESIS RADZA, n. sp. (Plate LVIII. fig. 1.)

Male. Upperside dark brown; fore wing with a narrow, oblique, subapical white band, below which is a large black ocellus with ochreous outer ring and a white central spot; hind wing with a smaller and less distinct ocellus near middle of outer margin. Underside brown; fore wing with a more prominent white oblique band and lower ocellus; two small geminate ocelli between the white band and apex; hind wing with an outer series of seven prominent ocelli enclosed within a narrow purple wavy line, the three upper and seventh ocelli small, fourth and sixth larger, the fifth largest. Nearest allied to *M. anaxias*.

Expanse $1\frac{6}{8}$ inch.

S. Andamans (Port Blair). In coll. H. Druce.

ELYMNIA COTTONIS (*Melanitis cot.*), Hewitson, Ann. N. H. 1874, xiv. p. 358.

S. Andamans (Port Blair).

Fam. MORPHIDÆ.

ANATHUSIA PHIDIPPUS, Linn. S. N. i. 2. p. 752; Cram. Pap. Exot. i. pl. 69. f. A, B.

S. Andamans (Port Blair).

DISCOPHORA CELINDE, Stoll, Suppl. Cram. Pap. Exot. pl. 37. f. 1 (1790).

S. Andamans (Port Blair).

Fam. NYMPHALIDÆ.

CETHOSIA NICOBARICA, Felder. Verh. zool.-bot. Ges. 1862, p. 484; Novara-Reise, Lep. iii. pl. 48. f. 7, 8, ♂.

Female. Blacker than the male; fore wing with the lower basal portion and interspaces in cell dark greenish grey; subapical marks broader, the lower dentate mark formed into a streak; hind wing with the basal portion pale greenish grey. Underside greenish brown (in the male dull vermilion), interspaces of basal streaks greenish (in the male bluish); black median transverse zigzag markings and

discal dentate marks, and spots, reddish white-bordered; a black-and-white marginal sinuous band.

Expanse, ♂ 3, ♀ $3\frac{1}{2}$ inches.

Nicobars (Kondul); S. Andamans (Port Blair).

CIRROCHROA ANJIRA, n. sp.

Nearest allied to *C. aoris*. Differs in being less falcate in the fore wing, the male above having similar but more prominent black markings. In the fore wing the transverse discal sinuous line is more erect, and in the female is less pointed at the angles; the marginal double sinuous band is broader. The underside is darker in colour, the transverse pale lilac band broader on the fore wing and narrower on the hind wing; this band is also much less sinuous on its inner border.

Expanse, ♂ $2\frac{5}{8}$, ♀ $2\frac{7}{8}$ inches.

S. Andamans (Port Blair). In coll. F. Moore.

CYNTHIA EROTA, Fabr. Ent. Syst. iii. 1, p. 76; Butler, Catal. Fabr. Lep. in Brit. Mus. p. 115.

S. Andamans (Port Blair).

MESSARAS NICOBARICA, Feld. Verh. zool.-bot. Ges. (1862) p. 486.

Nicobars (Sambelong); S. Andamans (Port Blair).

ATELLA ALCIPE, Cram. Pap. Exot. iv. pl. 389. f. G. H. (1782).

S. Andamans (Port Blair).

PYRAMEIS CARDUI, Linn. S. N. i. 2, p. 774.

S. Andamans (Port Blair).

JUNONIA CENONE, Linn. S. N. i. 2, p. 770; Cram. Pap. Exot. i. pl. 35. f. A, B, C.

S. Andamans (Port Blair).

JUNONIA NICOBARIENSIS, Felder, Verh. zool.-bot. Ges. 1862, p. 482.

Nicobars (Kar Nicobar).

DOLESCALLIA PRATIPA, Felder, Wien. ent. Monats. iv. p. 399 (1860); Novara-Reise, Lep. iii. p. 406.

S. Andamans (Port Blair.)

KALLIMA ALBOFASCIATA, n. sp.

Upperside glossy greyish indigo-blue; fore wing with a median, oblique, cream-white band with irregular borders; hind part of wing indigo-blue, tinged with purplish lilac above posterior angle; apex broadly blue-black, with a small bluish-white subapical spot; a dark-bordered bluish-white diaphanous spot on middle of the disk; a sub-marginal, sinuous, blue-black line; hind wing indigo-blue, tinged with purplish lilac along upper part of exterior margin; costa

brownish; a submarginal sinuous blue-black line. Body greenish. Underside mottled greyish ochreous, black-speckled, varied with confluent brighter fasciæ on outer half; a pale-bordered dusky line from apex to tail; a subapical and discal spot on fore wing, and imperfect ocelli on hind wing.

Expanse $3\frac{2}{5}$ inches.

S. Andamans (Port Blair). In coll. H. Druce and F. Moore.

EURYTELA HORSFIELDI, Boisd. Faun. Madag. p. 54, ♂.

E. stephensi, Boisd. ibid. p. 55, ♀ (1833).

S. Andamans (Port Blair).

CYRESTIS FORMOSA, Felder, Novara-Reise, Lep. iii. p. 412 (1867).

S. Andamans (Port Blair).

DIADEMA BOLINA, Linn. S. N. i. 2, p. 781; Clerck, Icon. t. 21. f. 2.

S. Andamans (Port Blair).

DIADEMA JACINTHA, Drury, Ill. Exot. Ent. ii. pl. 21. f. 1, 2 (1773); Donov. Ins. China, pl. 33. f. 1.

S. Andamans (Port Blair); Nicobars (Tillangshong).

HERONA ANDAMANA, n. sp.

Male and Female. Differs from *H. marathus* in the wings being more falcated. On the upperside the colour is much darker, the markings are narrower, paler on the fore wing in the male, and white on both wings in the female. On the fore wing in both sexes the markings beyond the cell are elongated and pointed at the ends; on the hind wing the discal band is broken up into spots, and the marginal band from the anal angle is composed of lunules in the male and of large indistinct lunular spots in the female. On the underside the markings are also whiter in the male, and in the female white throughout.

Expanse 3 inches.

S. Andamans (Port Blair). In coll. W. Distant and F. Moore.

PARTHENOS GAMBRISIUS, Fabr. Ent. Syst. iii. 1, p. 85; Donov. Ins. China, pl. 38; Doubleday & Hewits. Gen. D. Lep. pl. 51. f. 2.

S. Andamans (Port Blair).

LIMENITIS ANARTA, n. sp.

Male. Darker than the Indian form of *L. procris*. Differs in the narrower white maculated band on both wings, smaller subapical costal spots, and much smaller spot at end of the cell. The outer black markings are also broader; the marginal black dentate lunules are confluent and similar to those in *L. calidasa*.

Expanse $2\frac{4}{5}$ inches.

S. Andamans (Port Blair). In coll. F. Moore.

NEPTIS CNACALIS, Hewitson, Ann. Nat. Hist. 1874, xiv. p. 357.
S. Andamans (Port Blair).

NEPTIS ANDAMANA, n. sp.

Male and female. Upperside black: fore wing with a prominent white broad cell-streak and dentate spot beyond, a curved transverse discal series of widely separated spots, and two marginal rows of pale lunules, the outer row most distinct: hind wing with a white subbasal band, somewhat irregular, bordered and crossed by the veins; a submarginal row of whitish lunules; and a very indistinct pale median and submarginal line. Underside dusky ferruginous, markings as above, including a basal and subbasal streak, all very prominent and with black margins.

Expanse, ♂ 2, ♀ $2\frac{2}{8}$ inches.

S. Andamans (Port Blair). In coll. F. Moore.

NEPTIS MANANDA, n. sp. (Plate LVIII. fig. 4 ♀.)

Male and Female. Upperside black: fore wing with narrow dusky-white cell-streak and elongated pointed streak beyond; a discal curved transverse series of small white spots and two marginal rows of indistinct pale lunules; hind wing with broad white subbasal band, an indistinct pale brown submarginal narrow line, and a less distinct medial and marginal line. Underside dark chestnut-brown, markings as above, prominent, and purplish-white, including a narrow basal and subbasal streak on hind wing.

Expanse, ♂ $1\frac{7}{8}$, ♀ $2\frac{2}{8}$ inches.

S. Andamans (Port Blair). In coll. F. Moore.

NEPTIS NICOBARICA, n. sp.

Male and Female. Nearest allied to *N. varmona*, markings similar; discal series on fore wing less curved, thus giving a wider marginal space; the marginal row of lunular spots very prominent: on the hind wing the outer or discal series of spots are smaller, and terminate more towards anal angle; the marginal lunular line distinct. Underside also similar, the marginal markings broader.

Expanse, ♂ $1\frac{7}{8}$, ♀ $2\frac{1}{8}$ inches.

Nicobars, Kamorta (April). In coll. R. Meldola and F. Moore.

This is a different species from the allied Malayan *N. mamaja*, Butler, from Malacca.

TANAËCIA CIBARITIS (*Adolias cib.*), Hewitson, Ann. N. H. 1874, xiv. p. 358; id. Exot. Butt. v. *Adol.* pl. 4. f. 12, 13, 15.

S. Andamans (Port Blair).

TANAËCIA ACONTIUS (*Adol. acont.*). Hewitson, Ann. N. H. 1874, xiv. p. 357; id. Exot. Butt. v. *Adol.* pl. 4. f. 11.

S. Andamans (Port Blair).

SYMPHÆDRA TEUTOIDES, n. sp.

From *S. teuta* this form differs above in the male having the

maculated band more erect and the lower spots smaller; the band on the hind wing is also straighter, more evenly bordered on the inner edge, and regularly sinuous on its outer edge. The female on the fore wing has the band continuous and less broken up into spots; it is also broader at the costal end; the band on the hind wing, as in the male, is also more evenly edged within and regularly sinuous without. On the underside both sexes are much paler, are suffused with lilac exteriorly, and have no red in the discoidal marks.

Expanse, ♂ $2\frac{4}{5}$, ♀ $3\frac{2}{5}$ inches.

S. Andamans. In coll. F. Moore and H. Druce.

Fam. LEMONIIDÆ.

ABISARA KAUSAMBI, Feld. Wien. ent. Monats. iv. p. 397 (1860).
S. Andamans (Port Blair).

ABISARA BIFASCIATA, n. sp. (Plate LVIII. fig. 2, ♀.)

From the Malayan *A. kausambi* this differs on the upperside in the discal transverse bands being sinuous; and in the female these are prominent. The two bands on the fore wing of the female are separated and broadly white anteriorly; the upper and lower spots on the hind wing are also larger. On the underside the bands are broader and sinuous, and on the hind wing there are but two anterior spots instead of three.

Expanse, ♂ $1\frac{6}{8}$, ♀ $1\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

Fam. LYCENIDÆ.

CURETIS SARONIS, n. sp.

Male and Female. Nearest allied to *C. insularis* of Java, but smaller, the fore wing on the upperside of the male having the black border less angulated on its inner margin; the underside of both wings is white with slight dusky undulated lines, *C. insularis* being cream-coloured and with rather prominent undulated lines. Female dark brown, with golden-yellow disk.

Expanse $1\frac{3}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore and H. Druce.

PITHECOPS HYLAX, Fabr. Syst. Ent. p. 526 (1775); Horsf. Catal. Lep. p. 66, pl. 1. f. 2; Butler, Catal. Fabr. Lep. B. M. p. 161.

S. Andamans (Port Blair).

CASTALIUS ETHION (*Lycæna eth.*), Hewitson; Doubleday & Hewits. Gen. D. Lep. pl. 76. f. 3; iid. Exot. Butt. v. *Lyc.* pl. i. f. 5.

CASTALIUS ELNA (*Lyc. el.*), Hewits. Exot. Butt. v. *Lyc.* pl. i. f. 8.
S. Andamans (Port Blair).

CASTALIUS MANLUENA (*Lyc. man.*), Felder, Verh. zool.-bot. Ges. 1862, p. 484.

Nicobars (Kondul).

LAMPIDES ÆLIANUS, Fabr. Ent. Syst. iii. p. 280 ; Butler, Catal. Fabr. Lep. B. M. p. 166.

S. Andamans (Port Blair).

LAMPIDES CNEJUS, Fabr. Ent. Syst. Suppl. p. 430 ; Butler, *l. c.* p. 165.

Nicobars (Kamorta) ; April, *Meldola*.

LAMPIDES PANDAVA, Horsf. Catal. Lep. E.I. C. p. 84 (1829).

Nicobars (Nankowry and Kamorta) ; April, *Meldola*.

LAMPIDES STRABO, Fabr. Ent. Syst. iii. p. 287 (1793) ; Butler, Catal. Fabr. Lep. B. M. p. 165.

Lycæna kandarpa, Horsf. Catal. Lep. E.I. C. p. 82.

Lycæna asoka, Kollar, Hügel's Kaschm. iv. p. 419.

S. Andamans (Port Blair).

LAMPIDES KINKURKA, Felder, Verh. zool.-bot. Ges. 1862, p. 481 ; Novara-Reise, Lep. ii. p. 273, pl. 34. f. 24, 25.

Nicobars (Kar Nicobar and Nankowry), *Meldola*, April.

LAMPIDES KANKENA, Felder, Verh. zool.-bot. Ges. 1862, p. 481, Novara-Reise, Lep. ii. p. 270, pl. 34. f. 37.

Nicobars (Kar Nicobar).

LAMPIDES KONDULANA, Feld. Verh. zool.-bot. Ges. 1862, p. 484 ; Novara-Reise, Lep. ii. p. 271, pl. 34. f. 6.

Nicobars (Kondul) ; S. Andamans (Port Blair).

LYMPIDES MACROPHTHALMA, Felder, Verh. zool.-bot. Ges. 1862, p. 483 ; Novara-Reise, Lep. ii. p. 275, pl. 34. f. 35.

Nicobars (Pulo Milo).

POLYOMMATUS SANGRA, Moore, P. Z. S. 1865, p. 772, pl. 41. f. 8. S. Andamans (Port Blair) ; Nicobars (Kamorta), April, *Meldola*.

APHNÆUS ZOILUS, n. sp.

Male. Upperside dark blue, black on outer borders ; fore wing with transverse bands of black ; hind wing with large, red, anal lobe, the black spots silver-speckled. Underside pale golden-yellow, bands jet-black, and traversed by a silver line : fore wing with seven transverse bands, a marginal line, and two short, basal, longitudinal streaks, the upper streak crossing the vein and touching the costal margin ; the first and second transverse band near base of the cell, the first joining the upper and the second joining the lower basal longitudinal streak, third crossing end of cell towards posterior angle, fourth and fifth subapical and joined together, the other two marginal : hind wing with six bands and a marginal line, the first or basal broken and joining the third above the red anal spot, second entire and running into the first and third at its lower end, fourth

and fifth short, sixth narrow; a short streak also above anal angle; red anal lobe as above.

Expanse $1\frac{2}{5}$ inch.

S. Andamans. In coll. H. Druce and F. Moore.

Differs from typical *A. lohita* in its larger size, the different-coloured bands beneath, and the narrowness of the marginal band on the fore wing.

HYPOLYCÆNA ANDAMANA, n. sp.

Male. Upperside ultramarine blue; fore wing with a large black discal patch, abdominal margin dusky brown; cilia of hind wing grey, marginal anal streak and edge of tails white, anal lobe with a small reddish spot. Underside greyish blue; a brown discal transverse band on both wings, straight on fore wing, broken and zigzag on hind wing; a small black anal and a red-bordered black subanal spot.

Female. Upperside brown; both wings with an indistinct median transverse curved darker band; hind wing with white marginal outer line, discal lunular marks, and three black spots from anal angle, the first golden-speckled. Underside as in male, but slightly paler greyish blue. Allied to *H. erylus*.

Expanse, ♂ $1\frac{2}{5}$, ♀ $1\frac{3}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

HYPOLYCÆNA ELTOLA, Hewitson, Ill. D. Lep. Suppl. p. 14, pl. 5. f. 37, 38 (1869).

S. Andamans (Port Blair).

SITHON ARECA (*Myrina a.*), Felder, Verh. zool.-bot. Ges. 1862, p. 481.

Nicobars (Kar Nicobar).

SITHON KAMORTA (*Myr. k.*) Felder, l. c. p. 485.

Nicobars (Sambelong).

DEUDORIX ORSEIS, Hewitson, Ill. D. Lep. p. 23, no. 20 (1863).

Nicobars (Kamorta), April, *Meldola*.

DEUDORIX EPIJARBAS, Moore, Catal. Lep. E.I. C. i. p. 32 (1857); Hewit's Ill. D. Lep. pl. 7. f. 16-18.

S. Andamans (Port Blair).

MYRINA PRABHA, n. sp. (Plate LVIII. fig. 5 ♀.)

Male. Upperside red: fore wing with black apical band; base of wing and costa dusky rufous-brown: hind wing with blackish costal border, subcostal veins, and narrow border on outer margin; abdominal margin dusky rufous-brown.

Female. Upperside red: fore wing with a broad black apical band and dusky rufous-brown base: hind wing dark rufous-brown; discal

veinlet, median and internal veins, and tail streaked with red, tip of tail white: body black above, white beneath; palpi and legs white-speckled. Underside ochreous yellow, with two outer indistinct rows of small brownish spots on fore wing, and two indistinct bands on hind wing, a speckled black-and-white mark at angle of tail.

Expanse, ♂ $1\frac{2}{5}$, ♀ $1\frac{4}{5}$ inch.

S. Andamans (Port Blair). In coll. F. Moore and H. Druce.

Quite a differently marked insect from its ally *Myr. atynnus*, Cram.

AMBLYPODIA ZETA, n. sp. (Plate LVIII. fig. 6, ♀.)

Female. Upperside brilliant cobalt-blue, apex and outer borders broadly black. Underside light umber brown; fore wing with two pale-bordered darker spots within the cell, two beyond, and a discal row of five spots; hind wing with two basal rows each of four pale-bordered darker spots, a discal duplex series of similar spots, and two marginal rows of pale-bordered dentate marks.

Expanse $1\frac{1}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

AMBLYPODIA NAKULA, Felder, Wien. ent. Monat. iv. p. 395 (1860); Novara-Reise, Lep. ii. p. 222, pl. 29. f. 16.

S. Andamans (Port Blair).

Fam. PIERIDÆ.

TERIAS FORMOSA, Hübn. Zutr. Ex. Schmett. f. 979 (1837).

S. Andamans (Port Blair).

TERIAS NICOBARIENSIS, Felder, Verh. zool.-bot. Ges. 1862, p. 480.

Nicobars (Kar Nicobar, Kamorta and Nankowry), April, *Meldola*. S. Andamans (Port Blair).

HEBOMOIA GLAUCIPPE, Linn. S. N. i. 2, p. 762; Drury, Ill. Exot. Ins. i. pl. 10. f. 1.

S. Andamans (Port Blair).

IXIAS ANDAMANA, n. sp.

Male. Upperside pale primrose-yellow, decreasing basally to yellowish white: fore wing with the apical portion brownish-black, subapical band ochreous red, and slightly recurved hindward and outward, and irregularly margined inwardly, its borders being also minutely black-speckled: hind wing with speckled bordered black marginal band, and a few speckles at its base. Underside bright gamboge-yellow: fore wing with a broad black-speckled spot at end of the cell; a recurved submarginal series of speckled spots ending in a black patch at angle: hind wing with a round costal brown-speckled spot, three anterior submarginal spots followed by indistinct smaller spots; a black dot at end of the cell, and a dot at end of each vein on outer margin.

Female. Differs in the fore wing from the male in having the yellow portion confined to the middle of the wing below the cell, the ochraceous red band being narrow and broken by the upper median vein; the band on the hind wing is also broader: on the underside the yellow is of a deeper tint, and the markings darker and broader; the outer margins with minute black speckles and narrow strigæ.

Expanse, ♂ $2\frac{2}{5}$, ♀ $2\frac{3}{8}$ inches.

S. Andamans. In coll. F. Moore.

APPIAS GALATHEA, Feld. Verh. zool.-bot. Ges. 1862, p. 485; Novara-Reise, p. 165.

Nicobars (Sambelong).

CATOPSILIA CATILLA, Cram. Pap. Exot. iii. pl. 229, f. D, E, ♀ (1782); Butler, Lep. Exot. p. 24, pl. 9. f. 7-10.

Pieris hilaria, Cram. pl. 339. f. A, B, ♂.

S. Andamans (Port Blair).

CATOPSILIA CROCALE, Cram. Pap. Exot. i. pl. 55, f. C, D (1779); Butler, Lep. Exot. pl. 9. f. 1, 2.

S. Andamans (Port Blair); Nicobars (Kamorta), April, *Meldola*.

CATOPSILIA CHRYSÆIS, Drury, Ill. Exot. Ent. i. pl. 12. f. 3, 4 (1773); Butler, *l. c.* pl. 15. f. 4-7.

S. Andamans (Port Blair).

PIERIS NAMA, Moore, Catal. Lep. E.I. C. i. p. 76; P. Z. S. 1857, p. 102, pl. 44. f. 1, 2; Hewits. Exot. Butt. *Pieridæ*, pl. 6. f. 37.

S. Andamans (Port Blair).

PIERIS LICHENOSA, n. sp.

Allied to *P. coronis* (Cram. pl. 44. f. B, C): differs on the upper side in the veins being black-lined, the apex of fore wing more evenly white-speckled between the veins, the hind wing having a well-formed marginal band. The underside is much darker green, and is densely covered with black speckles, giving the wings a mossy appearance.

Expanse $2\frac{4}{5}$ inches.

S. Andamans. In coll. F. Moore.

ERONIA NARAKA, n. sp.

Nearest to *E. pingasa* of S. India; both wings in the male with similar broad black outer border and widened veins, but without the black streak within the cell; the fore wing also has two additional small blue costal spots above the discal series, and a small white spot near the apex. In the female the markings are narrower, shorter, and the marginal spots much smaller.

Expanse 3 inches.

S. Andamans (Port Blair). In coll. F. Moore and H. Druce.

Fam. PAPILIONIDÆ.

ORNITHOPTERA HELICONOIDES, n. sp.

Male. Upperside—fore wing entirely black: hind wing golden yellow, with black abdominal fold and, longitudinally from base of submedian to middle of lower median veinlet, a marginal band formed by a series of six conical spots decreasing in size from anal angle, the first or anal elongated at its apex, the second, third, fifth and sixth each with a contiguous small upper round spot; the space at base of wing broadly across end of cell to middle of costal vein also black. Underside as above; fore wing very slightly grey-streaked along base of lower median veinlets.

Female. Fore wing with prominent greyish-white streaks along the veins, and similar streaks within end of the cell: hind wing with black abdominal fold, a partly constricted elongated spot above anal angle, outer marginal band of large continuous cones, a discal series of five small spots, the space at base of wing occupying the interspace between the costal and subcostal to near its end. Underside as above. Abdomen greenish black above, yellow at sides and beneath. Red collar slightly perceptible in female.

Expanse, ♂ $5\frac{6}{8}$, ♀ $6\frac{4}{8}$ inches.

S. Andamans (Port Blair). In coll. H. Druce.

PAPILIO MAYO, Atkinson, P. Z. S. 1873, p. 736, pl. lxiii. f. 1.

S. Andamans (Port Blair).

PAPILIO CHARICLES, Hewitson, Ann. Nat. Hist. 1874, xiv. p. 356; Exot. Butt. v. *Pap.* pl. xiv. f. 45, ♀.

S. Andamans (Port Blair).

PAPILIO RHODIFER, Butler, Ent. Monthly Mag. 1876, p. 57, ♀.

S. Andamans (Port Blair).

PAPILIO ARISTOLOCHIE, var. CAMORTA.

Female. Differs from Indian and Malayan forms of *P. aristolochiæ* on the upperside of the hind wing in the absence of the discal markings, the only indication of these in the Nicobar form being a slight pale speckled streak at the junction of the two lower median veinlets and an upward elongation of the reddish anal spot. On the underside these are slightly more prominent.

Expanse $3\frac{1}{2}$ inches.

Nicobars (Kamorta), April 6, 1875. In coll. R. Meldola and F. Moore.

PAPILIO PAMMON, var. NICOBARUS, Feld. Verh. zool.-bot. Gesch. 1862, p. 483.

Nicobars (Nancowry, Kamorta), and S. Andamans (Port Blair), Meldola, April.

PAPILIO AGAMEMNON, Linn. S. N. ii. p. 748; Donovan. Ins. China, t. 27. f. 2.

S. Andamans (Port Blair); Nicobars (Kamorta), April, Meldola.

PAPILIO EURYPYLUS (?), Linn. S. N. ii. p. 754; Cram. Pap. Exot. ii. pl. 122, f. C, D.

? *Axion*, Feld.

S. Andamans (Port Blair).

PAPILIO ANTIPHATES, Cram. Pap. Exot. i. pl. 72, f. A, B.

S. Andamans (Port Blair).

Fam. *HESPERIDÆ*.

ISMENE CHROMUS, Cram. Pap. Exot. iii. pl. 284, f. E (1782).

S. Andamans (Port Blair).

ISMENE MALAYANA, Felder, Wien. ent. Monat. iv. p. 401 (1860); Novara-Reise, Lep. iii. pl. 72, f. 15.

S. Andamans (Port Blair).

TAGIADES ALICA, n. sp. (Plate LVIII. fig. 11, ♂.)

Male. Allied to *T. obscurus*, Mabille, from Java, but of a blacker colour, the fore wing being more pointed, the hind wing more produced at the anal angle. Markings above similar; on the underside the hind wing has more prominent black discal marks, and a much broader black border on the grey portion of the outer margin.

Expanse $1\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

TAGIADES HELFERI (*Pteryg. h.*), Felder, Verh. zool.-bot. Ges. p. 483 (1862).

Nicobars (Pulo Milu).

PLESIONEURA ALYSOS, Moore, P. Z. S. 1865, p. 789.

S. Andamans (Port Blair).

HESPERIA CAHIRA, n. sp. (Plate LVIII. fig. 8.)

Male and female. Upperside dark rufous-brown, suffused with olive-brown at the base. *Male*. Fore wing with two small yellow spots at end of the cell, two on the disk, and two very small spots before the apex. *Female*, with a series of three small spots before the apex and another spot of the same size between them and the two on the disk; cilia of hind wing yellowish cinereous.

Underside of male rufous-brown; female olive-brown, with a pale greyish streak on middle of hind margin.

Expanse, ♂ $1\frac{5}{8}$, ♀ $1\frac{6}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

Near to *H. oceia*, Hewits.; differs in the male above in the absence of the basal tuft of hairs on the hind wing, and beneath also in the absence of the prominent and large white patch and its central spot on the fore wing.

HESPERIA OCEIA, Hewits. Desc. Hesp. p. 31 (1868).

S. Andamans (Port Blair).

HESPERIA COLACA, n. sp. (Plate LVIII. fig. 7.)

Male and female. Dark olive-brown; cilia cinereous; fore wing with a recurved discal series of seven small yellow spots, the second from the hind margin being the largest; a small spot also at end of the cell. Underside brown, apex and hind wing speckled with olive-green scales; a median discal series of small spots on hind wing. Near to *H. cinnara*.

Expanse, ♂ $1\frac{2}{10}$, ♀ $1\frac{3}{10}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

HESPERIA BETURIA, Hewitson, Desc. Hesp. p. 36 (1868).

S. Andamans (Port Blair).

HESPERIA MATHIAS, Fabr. Ent. Syst. Supp. p. 433 (1798);
Butler, Catal. Fabr. Lep. B. M. p. 275, pl. 3. f. 8.

Nicobars (Kamorta), April, *Meldola*.

TELEGONUS THYRSIS, Fabr. Syst. Ent. p. 532 (1775).

H. pandia, Moore, P. Z. S. 1865, p. 790.

S. Andamans (Port Blair).

PAMPHILA PURREEA, n. sp. (Plate LVIII. fig. 10.)

Upperside blackish brown; cilia yellow, slightly alternated with black; fore wing with a gamboge-yellow basal streak, and a median oblique irregular band commencing from near apex, extending to hind margin and terminating at its base; hind wing with a short median yellow wavy band. Underside sulphur-yellow; fore wing with a broad dark-brown basal streak, a small spot at end of cell, and a large patch at posterior angle; hind wing with a brown speckled streak along inner margin, terminating broadly at anal angle. Body above brown, head and thorax interspersed with yellow hairs; abdomen narrowly banded with yellow; palpi black above, yellow below. Legs and body beneath yellow.

Expanse $1\frac{1}{8}$ inch.

S. Andamans (Port Blair). In coll. W. C. Hewitson and F. M.

PAMPHILA GOLA, n. sp. (Plate LVIII. fig. 9, ♂.)

Male. Upperside dark vinous-brown; fore wing with an oblique discal irregular sinuous-bordered golden-yellow band, the band bent before the apex and indented at end of the cell; hind wing with a median discal golden-yellow band, and a few hairs of the same colour at the base; cilia edged with golden yellow. Front of head, palpi, and legs golden yellow. Underside with the bands as above; costa and apex of fore wing and the hind wing suffused with yellow; both wings with a blackish streak at end of the cell.

Expanse 1 inch.

S. Andamans (Port Blair). In coll. F. Moore.

PAMPHILA MESOIDES, Butler, Trans. Linn. Soc. 1877.

S. Andamans, Port Blair.

Tribe SPHINGES.

Fam. SPHINGIDÆ.

PERGESA ACTEUS, Cram. Pap. Exot. iii. pl. 248. f. A (1782).
S. Andamans (Port Blair).

PANACRA BUSIRIS, Walker, Catal. Lep. Het. B. M. viii. p. 158
(1856).

S. Andamans (Port Blair).

ACHERONTIA MORTA, Hübner ; Cram. Pap. Exot. iii. pl. 237. f. A.

A. satanas, Boisd. Hist. N. des Lép. pl. 16. f. 1.

A. lethe, Westw. Cab. Orient. Ent. p. 87, pl. 42. f. 2.

(?) *Sphinx lachesis*, Fabr. Ent. Syst. Suppl. p. 434.

S. Andamans (Port Blair).

CHÆROCAMPA NESSUS, Drury, Ill. Nat. Hist. ii. p. 46, pl. 27. f.
1 (1773).

S. Andamans (Port Blair).

CHÆROCAMPA TENEBROSA, n. sp.

Upperside—fore wing dark buff-brown, with six oblique discal indistinct dusky bands, the fourth black-streaked where crossing the veins ; a black spot near base and one at end of the cell ; hind wing dark fuliginous-brown, palest at anal angle ; thorax dark buff-brown ; abdomen dusky brown above. Underside—fore wing dusky brown ; discal oblique band reddish buff, slightly black-speckled, and with black spot on each vein : hind wing reddish buff, slightly black-speckled, with a discal series of black spots : abdomen beneath and legs pale buff-brown.

Expanse 3 inches.

S. Andamans (Port Blair). In coll. British Museum.

Allied to *C. lucasi*, Walk., but is a much darker insect.

TRIPTOGON ANDAMANA, n. sp.

Male. Nearest allied to *T. fuscescens*, Butler, but differs above on the fore wing in the median and subbasal transverse bands being bent and terminating on the hind margin more obliquely inwards, the basal bands each being waved, and the dark chestnut-brown spots near posterior angle smaller ; hind wing less lobed and browner at anal angle, the spots smaller, and basal streaks not so prominent ; and on the underside the inner dusky band on hind wing is curved.

Expanse 4 inches.

S. Andamans (Port Blair). In coll. British Museum.

CLANIS PHALARIS, Cram. Pap. Exot. ii. p. 83, pl. 149. f. A (1779).

Sphinx pagana, Fabr. Spec. Ins. ii. p. 146 (1781).

Sph. nicobarensis, Schwartz, Beyt. Suppl. à Klem. et Rœs. i. 1 ;
Esper, Schmett. App. pl. 1. f. 1.

Clanis nicobarensis, Hübn. Verz. p. 138.

S. Andamans (Port Blair).

CALYMNIA PAVONICA, n. sp.

Similar to *C. panopus*, but differs from both Java and Indian specimens in its much darker colours, the fore wing having the basal band broken up and not continued obliquely onto the costa; between this and the discal band are two distinctly separated median, dusky, wavy bands: in the hind wing the markings are very black and with a distinct median broad fascia; the basal space red: thorax brown-black; abdomen very dark fawn-colour, apical segments only fringed with black.

Expanse 5 inches.

S. Andamans (Port Blair). In coll. British Museum.

PROTOPARCE ORIENTALIS, Butler, Trans. Zool. Soc. ix. p. 609 (1876).

Sphinx convolvuli, Moore, Catal. Lep. E.I. C. i. p. 267.

S. Andamans (Port Blair).

Tribe BOMBYCES.

Fam. AGARISTIDÆ.

EUSEMIA ALBOMARGINATA, Moore, P. Z. S. 1872, p. 569.

S. Andamans (Port Blair).

Fam. ZYGÆNIDÆ.

Subfam. THYRETINÆ.

ERESSA AFFINIS, n. sp. (Plate LIX. fig. 3.)

Allied to *E. confinis*, Walk. Transparent markings of fore wing similar, but more rounded, the spot within the cell smaller; space on hind wing confined to a median rounded spot beyond the cell, and crossed only by a single vein.

Expanse 1 inch.

S. Andamans (Port Blair). In coll. F. Moore.

Obtained also from the district of Calcutta and the Khasia hills by the late W. S. Atkinson, Esq.

Subfam. EUCHROMINÆ.

EUCHROMIA POLYMENA, Linn. S. N.; Cram. Pap. Exot. i. pl. 31. f. D.

S. Andamans (Port Blair).

Fam. ARCTIIDÆ.

ALPENUS BISERIATUS, n. sp.

Pale orange-red, brightest on hind wing; fore wing with two transverse median recurved series of blackish spots, and two intermediate spots at end of the cell; some smaller spots at base of wing; hind wing with a black spot at end of the cell and at anal angle.

Body bright red, with black dorsal bands and yellow anal tuft. Palpi black at tip. Legs yellow; fore legs black-streaked.

Expanse $1\frac{3}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Allied to *A. (Spilosoma) maculifascia*, Walk., from Java.

Fam. LITHOSIIDÆ.

SESAPA ANDAMANA, n. sp.

Allied to *S. undulosa*, Walk.

Pale buff-yellow; fore wing with a purplish-black transverse, central recurved band, some irregularly disposed spots at base, a spot at end of the cell, an outer sinuous band, and a maculated marginal line. Underside dusky yellow on fore wing. Antennæ, palpi, and legs brownish.

Expanse $\frac{6}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

LITHOSIA INTERMIXTA, Walk. Catal. Lep. Het. B. M. Suppl. p. 229.

S. Andamans (Port Blair).

LITHOSIA ANTICA, Walk. Catal. Lep. Het. B. M. ii. p. 505.

S. Andamans (Port Blair).

BARSINE TRIVITTATA, n. sp.

Male. Upperside—fore wing red, with black subbasal outwardly angled band, a median recurved band, and outer zigzag band; costa at apex and cilia black: hind wing pale red; cilia at apex blackish. Body, antennæ, and legs red. Underside—fore wing bright red, speckles at apex and cilia black; hind wing yellowish, speckles at apex blackish.

Expanse $1\frac{1}{2}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

BIZONE AMABILIS, n. sp. (Plate LIX. fig. 2, ♂.)

White: fore wing with four transverse crimson bands, male with confluent crimson spots, and female with a single spot at end of the cell; hind wing pale yellow, suffused with crimson externally. Underside pale crimson, whitish at base, bands slightly apparent. Antennæ, palpi, and spots on thorax crimson. Legs crimson, whitish beneath.

Expanse $\frac{8}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

ARGINA CRIBRARIA, Cram. Pap. Exot. iii. pl. 208. f. C; Clerck, Icones, pl. 54. f. 4.

S. Andamans (Port Blair), Nicobars (Kamorta), April, *Meldola*.

Fam. HYPSIDÆ.

PERIDROME ORBICULARIS, Walk. Catal. Lep. Het. B. M. ii. p. 445 (1854).

Aganopsis subquadrata, H.-Schäff. Lep. Sp. Nov. p. 70, f. 501 (1856).

S. Andamans (Port Blair).

EUPLOCIA MEMBLIARIA, Cram. Pap. Exot. iii. p. 269. f. C, D.

S. Andamans (Port Blair).

DAMALIS ALCIPHRON, Cram. Pap. Exot. ii. pl. 133. f. E.

S. Andamans (Port Blair).

HYPSA ANDAMANA, n. sp. (Plate LIX. fig. 5.)

Allied to *H. egens* from N. India.

Upperside much brighter ochreous: fore wing with a series of six basal black spots, two of which are within the cell; prominent ochreous-brown streaks between the veins, which form two partly confluent, transverse, irregular, median and outer bands. Under-side—fore wing with a broad lunular black spot at end, and a large round spot in the middle of the cell; the hind wing has a small black spot at end of the cell on upper discocellular, and a small lunular spot above the end of the cell.

Expanse $2\frac{4}{8}$ inches.

S. Andamans (Port Blair). In coll. F. Moore.

HYPSA VENALBA, n. sp.

Female. Upperside cinereous-black; base of fore wing and abdomen ochreous-yellow: fore wing with a broad white longitudinal dilated streak; some black spots at the base; veins narrowly lined with white to near outer margin; a white spot at upper end of the cell: hind wing white, with a broad black marginal band, and narrow spot at end of the cell; cilia white. Thorax with black spot on tegulæ, streak down middle, and a dorsal and lateral row of spots on abdomen. Antennæ black. Palpi ochry-yellow, first and second joints with a spot on outer side, and the entire third joint black. Legs black, streaked with grey.

Expanse $2\frac{1}{10}$ inches.

S. Andamans (Port Blair). In coll. British Museum.

This species is nearest allied to *H. dama*.

PHILONA CINERASCENS, n. sp. (Plate LIX. fig. 6.)

Differs from *P. inops* in the fore wing being of a much darker cinereous colour, and the veins more prominently lined with white; the hind wing is white, the marginal band greyish-black and broader, and continued broadly along anterior margin on both upper and undersides; the fore wing beneath and the band on the hind wing are very dark fuliginous black, with a blacker median curved streak on fore wing, the space beneath the streak and the lower basal space of hind wing being white.

Expanse $2\frac{1}{8}$ inches.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

Fam. CALLIDULIDÆ.

CLEOSIRIS CATAMITA, Geyer, Hübn. Zutr. f. 653, 654.

S. Andamans (Port Blair).

Fam. NYCTEMERIDÆ.

NYCTEMERA LACTICINIA, Cram. Pap. Exot. ii. pl. 128. f. E.

S. Andamans (Port Blair).

PITASILA, n. g.

Fore wing short, rather broad, costa slightly arched, apex angled, outer margin short, oblique, hind margin straight; subcostal vein five-branched, third, fourth, and fifth on a short foot-stalk from end of cell; first and third discocellulars very short, second bent inward; one radial from lower angle of upper discocellular; median vein four-branched, first and second starting from angles of lower discocellular, third contiguous, fourth at half length of cell; one submedian. Hind wing trigonal, apex rounded, exterior margin convex in the middle; subcostal vein two-branched, disposed as in fore wing; one submedian. Body short, attenuate in male. Antennæ slender, bipectinated in male to tip, minutely pectinated in female. Palpi porrect, third joint cylindrical. Legs naked.

PITASILA LEUCOSPILOTA, n. sp. (Plate LIX. fig. 7.)

Male and female. Fore wing with a series of four white spots from base of costa, the third largest, also two within the cell, three larger spots below the cell and confluent on hind margin, the lower basal enclosing a black spot, and the third two spots, one above the other in male, confluent in female; two spots also before the apex: hind wing with a broad black marginal band, on which are two small white spots, one near angle, the other on middle of margin; a small black spot at upper end of cell and two above it on margin; cilia white, at apical angle of hind wing. Underside as above. Head and thorax yellow; abdomen white, with yellow tip; black spots on head and thorax, also dorsal and lateral row on abdomen; antennæ black; legs white, streaked with black.

Expanse, ♂ $1\frac{3}{4}$, ♀ 2 inches.

S. Andamans (Port Blair). In coll. Brit. Mus. and F. Moore.

Allied to *P. maculosum*, Feld. Nov.-Reise, pl. 103. f. 2, to *P. variolosa*, Feld. ib. pl. 129. f. 15, and also to *P. varians*, Walk.

Fam. EUSCHEMIDÆ.

EUSCHEMA ANDAMANA, n. sp.

Male and female. Upperside purple-black, both wings with the outer margin and discal spots darker purple-black: fore wing with a broad subbasal bright yellow band, which is irregularly margined and

narrowest on hind margin; a short subapical transverse row of decreasing purplish white spots. Abdomen golden yellow in male, in female purple-black beneath and with a dorsal row of black spots. Palpi and legs cinereous. Underside as above; discal black spots more prominent: hind wing with a small yellow basal streak and also a streak above the cell.

Expanse $2\frac{6}{10}$ inches.

S. Andamans (Port Blair). In coll. Brit. Mus. and F. Moore.

Nearest allied to *E. auristriga*, Walk., and to *E. bernsteini*, Feld.

E. RÆPSTORFFI, n. sp.

Allied to *E. bellona*, Walk.

Male. Smaller in size, differs on fore wing in having the basal black markings formed into prominent bands instead of being composed of separate spots; the purplish white discal band is nearer the apex, broader, and more prominent: on the hind wing the black spots are larger, and there is also a distinct purplish white discal maculated band crossing the broad black margin.

Expanse $2\frac{4}{10}$ to $2\frac{8}{10}$ inches.

S. Andamans (Port Blair). In coll. British Museum.

CELERENA ANDAMANA, Feld. Nov.-Reise, Lep. iv. pl. 130. f. 18 (1875).

S. Andamans (Port Blair).

Fam. CHALCOSIIDÆ.

CYCLOSIA NIGRESCENS, n. sp.

Female. Differs from *C. papalionaria* from Sikkim and Silhet in the fore wings being more acute at the apex, having broader pale yellow interspaces between the veins, and in the marginal row of spots being almost obsolete; the hind wing has a simple band with a marginal row of very indistinct small pale spots.

Expanse 3 inches.

S. Andamans (Port Blair). In coll. British Museum.

Fam. LIPARIDÆ.

REDOA FLAVESCENS, n. sp.

Male. Yellowish white; front of head brown. Antennæ pale brown, shafts white. Upperside with glittering silvery scales, exterior margins slightly fawn-coloured. Palpi white, brown at tip. Legs whitish.

Expanse $1\frac{2}{5}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

REDOA SERICEA, n. sp.

Male. Pure white; front of head brown. Antennæ pale brown, shafts white. Upperside covered with glittering silvery white scales; costa of fore wing ochreous; a black dot at end of the cell; exterior

margins and cilia of both wings fawn-colour. Legs white, fore and mid legs with black bands. Palpi pale brown, tipped with black.

Expanse $1\frac{1}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

CAVIRIA CYGNA, n. sp.

Female white: fore wing silky white, with indistinctly apparent raised oblique bands: hind wing not silky. Palpi and fore legs ochry yellow, middle and hind tarsi pale ochry yellow.

Expanse $1\frac{5}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

LÆLIA VENOSA, n. sp. (Plate LIX. fig. 1, ♂.)

Male. Upperside pale ochreous brown. Veins of fore wing and cilia of both wings ochreous white. Front of thorax, head, palpi, and abdomen ochreous yellow; thorax above greyish. Underside paler.

Expanse $1\frac{5}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

EUPROCTIS DISCINOTA, n. sp.

Upperside bright ochry yellow: fore wing with two median transverse dark chestnut-brown speckled bands, the outer band recurved and crossed by pale veins; a black spot at end of cell. Underside paler, both wings with an indistinct darker ochry transverse fascia, and a black spot at the end of the cell.

Expanse $1\frac{5}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Fam. PSYCHIDÆ.

MAHASENA, n. g.

Fore wing elongated, narrow, costa straight, apex rounded, exterior margin oblique, posterior margin convex in the middle; costal vein moderately stout; subcostal slender, four-branched, first and second branches arising before end of the cell, third at end of the cell, fourth from below the third at two thirds its length and terminating below the apex; discoidal cell broad at its end; upper discocellular vein long, inwardly oblique and bent outward at its middle; lower discocellular short, outwardly oblique, and emitting within the cell a discoidal veinlet at each end, which are joined together at two thirds their length, the end extending inwards towards base of the cell; upper radial arising from end of the cell, lower radial from angle of upper discocellular, both nearly straight; median vein moderately stout, short and twice bent at its end, four-branched, the two lower arising from the angles at its end, the third from end of the cell, and fourth at one third from base of the latter; submedian curved and bent below end of the cell, and thence extending straight to posterior angle, emitting a lower branch or internal veinlet at the angle, the lower branch being forked at half its length and extending to near base of the wing. Hind wing short, broad, trigonal, anterior

margin very convex; costal and subcostal parallel, extending to apex; cell broad, extending hindward towards outer margin; discocellulars nearly straight, outwardly oblique, emitting one radial from their middle; two discoidal veinlets within the cell, joined together at half their length and extending to near base of the cell; median vein long, its end bent nearly parallel with outer margin of wing, four-branched, the branches short, the two upper arising together at lower end of the cell, a straight submedian, and two internal veins. Body slender, abdomen attenuated, extending half its length beyond hind wings. Antennæ broadly bipectinated to tip. Legs slender, sparsely hairy; fore legs with long tibial spur.

MAHASENA ANDAMANA, n. sp. (Plate LIX. fig. 4, ♂.)

Male. Wings dark fuliginous brown, piceous towards the base. Body piceous, darkest on abdomen. Antennæ fuliginous brown. Legs brown.

Expanse 1 inch.

S. Andamans (Port Blair). In coll. F. Moore.

Fam. SATURNIIDÆ.

ACTIAS IGNESEENS, n. sp.

Differs from *A. leto* from Sikkim in having broader wings, shorter tails, and larger ocelli, in the subbasal and outer fiery-red bands being broader and confluent, the transverse zigzag band in both wings being contiguous to and touching the ocellus. On the under-side the markings are more prominent, the outer band broader, and the basal more sinuous.

Expanse 6 inches.

S. Andamans (Port Blair). In coll. British Museum.

ACTIAS SELENE, McLeay, Zool. Misc. (1815), pl. 70; Cram. Pap. Exot. pl. 31. f. A. B.

S. Andamans (Port Blair).

ANTHERÆA ANDAMANA, n. sp.

Female.—Upperside brownish-buff, base suffused with buff-yellow; ocelli small, ringed with black and yellow outwardly and red and white inwardly, talcose spot constricted: fore wing with transverse subbasal streaks, two discal lunular bands, and a nearly straight oblique outer band brown, the latter slightly bordered with dull red; costa and apex grey speckled with brown: hind wing with irregular subbasal streak, lunular median, and two wavy outer brown bands, the latter slightly tinged with red. Collar grey; thorax brown; abdomen and legs buff-brown; antennæ reddish brown. Underside greyish brown, inner bands brown, outer band of large triangular spots dark brown.

Expanse 7 inches.

S. Andamans (Port Blair). In coll. British Museum.

Tribe NOCTUES.

Fam. LEUCANIDÆ.

LEUCANIA COSTALIS, n. sp. (Plate LIX. fig. 11.)

Male and female. Upperside cream-colour: fore wing sparsely irrorated with minute brown scales, crossed by two median indistinct blackish sinuous lines; a pale brown streak from base extending below and before the end of the cell, giving the appearance of a basal costal band; two spots within the cell, the inner largest; a marginal row of black dots: hind wing pale ochreous brown externally; veins darker. Underside paler; fore wing dusky brown in the middle; a marginal row of black dots on both wings. Palpi and legs speckled with black.

Expanse $1\frac{2}{3}$ inch.

S. Andamans. In coll. F. Moore.

This species also occurs at Darjiling and Malabar.

Fam. GLOTTULIDÆ.

RAMADASA, n. g.

Fore wing short, broad, costa slightly convex, apex truncated, exterior margin oblique hindward, posterior margin slightly lobed towards the base; costal vein short, ending at half the length of costa; cell broad; subcostal vein six-branched, first and second branches arising close together a little beyond half length of the cell, the third and sixth at end of cell, the third terminating before the apex, the fourth and fifth arising below from near the base of third and terminating at and below the apex, the sixth running parallel below the fifth; median vein three-branched, branches at equal distances from end of the cell, each recurved; discocellulars of equal length; one radial, slightly recurved; submedian vein running parallel and close to median and lower branch, terminating on exterior margin considerably above posterior angle; internal vein straight, terminating above the angle. Hind wing trigonal, short, exterior margin produced in the middle; abdominal margin straight; cell short; subcostal vein three-branched, first branch arising from half the length of the cell, second and third starting together at end of the cell; median vein three-branched, lower branch arising from an angle before end of the cell, second and third together at base from end of cell; upper discocellular long, lower short; one radial; submedian vein straight. Antennæ very long, filiform. Palpi short, clothed with short adpressed scales; second joint short, conical, ascending. Body moderately stout; abdomen tapering towards the apex, extending beyond hind wing. Legs long; tibia clothed above with longish hair; mid and hind tibiæ spurred.

RAMADASA PAVO. (Plate LIX. fig. 8.)

Chasmina pavo, Walk. Cat. Lep. Het. B. M. part ix. p. 147.

S. Andamans. In coll. British Museum and F. Moore.

Fam. APAMIDÆ.

SPODOPTERA CILIUM, Guén. Noct. i. p. 156, ♂.

S. insulsa, Walk. Cat. Lep. Het. B. M. Suppl. p. 648, ♀.

S. Andamans (Port Blair).

SPODOPTERA NUBES, Guén. Noct. i. p. 155.

P. infecta, Walk. l. c. ix. p. 196.

S. Andamans (Port Blair).

PRODENIA CILIGERA, Guén. Noct. i. p. 164.

P. glaucistriga, Walk. l. c. ix. p. 197, ♀.

S. Andamans (Port Blair).

ILLATIA CEPHUSALIS, Walk. Cat. Lep. Het. B. M. xvi. p. 209 (1858).

Miana inornata, Walk. l. c. Suppl. p. 677.

S. Andamans (Port Blair).

PERIGEA CANORUFA, Walk. Cat. Lep. Het. B. M. Suppl. p. 683, ♂.

P. illecta, Walk. l. c. p. 684, ♀.

S. Andamans (Port Blair).

THALPOPHILA CUPREA, n. sp. (Plate LIX. fig. 10.)

Upperside—fore wing dark cupreous brown, some narrow curved purple lines and black streaks at the base, an irregular recurved sinuous purple line with black inner border across the disk; two similar-coloured spots in the cell, and dentate streaks on outer margin, bordered with white before the apex: hind wing golden yellow, with broad cupreous brown outer band. Thorax, palpi, legs, and abdomen beneath cupreous brown. Abdomen golden yellow, tip and dorsal tuft reddish. Underside pale reddish brown, yellowish at base; both wings with indistinct outer sinuous brown line.

Expanse $1\frac{3}{8}$ inch.

Andamans. In coll. F. Moore.

Fam. CARADRINIDÆ.

AMYNA SELENAMPHA, Guén. Noct. i. p. 406; Walk. Cat. Lep. Het. B. M. p. 1696.

Alamis spoliata, Walk. l. c. p. 1050.

S. Andamans (Port Blair).

Fam. HAMEROSIDÆ.

APSARASA FIGURATA, n. sp.

Bluish black. Differs above in both sexes from *A. radians* from Sikkim in the fore wing having the smaller marginal spots of less size, in the large median spot on hind margin being broadest at its upper end, and in the hind wing having the white space confined to-

wards the anal angle. Abdomen black above and beneath, tip also black, has small lateral white spots only. On the underside the hind wing is marked at the base only with small spots, instead of distinct bands as in *A. radians*.

Expanse, ♂ $2\frac{6}{8}$, ♀ $2\frac{7}{8}$ inches.

S. Andamans. In coll. British Museum and F. Moore.

The type of the genus *Apsarasa* is *Glottula radians*, Westw. Orient. Ent. pl. 28. f. 4.

Fam. ACONTIDÆ.

XANTHODES TRANSVERSA, Guén. Noct. ii. p. 211; Walk. Cat. Lep. B. M. p. 778.

S. Andamans (Port Blair).

ACONTIA SIGNIFERA, Walk. Cat. Lep. Het. B. M. xii. p. 793.

S. Andamans (Port Blair).

Fam. PALINDIDÆ.

HOMODES CROCEA. (Plate LX. fig. 3.)

Homodes crocea, Guén. Noct. ii. p. 280; Walk. Cat. Lep. Het. B. M. p. 853.

S. Andamans (Port Blair).

Fam. ERIOPIDÆ.

CALLOPISTRIA EXOTICA, Guén. Noct. ii. p. 294; Walk. *l. c.* xii. p. 865.

S. Andamans (Port Blair).

Fam. EURHIPIDÆ.

INGURA CRISTATRIX, Guén. Noct. ii. p. 313.

S. Andamans (Port Blair).

Fam. PLUSIIDÆ.

PLUSIODONTA CONDUCENS, Walk. Cat. Lep. Het. B. M. xii. p. 963.

S. Andamans (Port Blair).

Fam. HEMICERIDÆ.

WESTERMANNIA TRIANGULARIS, n. sp.

Upperside—fore wing with the basal two thirds shining silvery white, tinged with pale fawn-colour; a subbasal triangular dusky brown patch, the inner angle of which extends to the base and lower angle on hind margin; a broad marginal chalybeous-speckled dark cupreous brown band; hind wing pale cupreous brown externally, pale vinous at the base. Head and basal joint of antennæ white; front of thorax yellowish, hind part of thorax and abdomen brown

with white segmental bands. Underside glossy brown, pale yellowish obliquely across the fore wing and at base of hind wing; abdomen beneath and legs yellowish white; fore legs with black bands.

Expanse $1\frac{2}{5}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Differs from *W. superba* in its smaller size, darker colour, and difference of shape in the subbasal patch.

Fam. HYBLÆIDÆ.

NOLASENA DULCISSIMA, Walk. Journ. Linn. Soc. Zool. viii. p. 76.

S. Andamans (Port Blair).

Fam. GONOPTERIDÆ.

ANOMIS FULVIDA, Guén. Noct. ii. p. 397; Walk. Catal. Lep. Het. B. M. xiii. p. 988.

S. Andamans (Port Blair).

Fam. POLYDESMIDÆ.

POLYDESMATA BOARMOIDES, Guén. Noct. ii. p. 441; Walk. l. c. xiii. p. 1042.

P. mastrucata, Feld. & Roghfr. Nov.-Reise, Lep. iv. pl. iii. f. 31.

S. Andamans (Port Blair).

Fam. HYPOGRAMMIDÆ.

ERCHEIA TENEBROSA, Moore, P. Z. S. 1867, p. 66.

S. Andamans (Port Blair).

Fam. CATEPHIDÆ.

ANOPHIA OLIVASCENS, Guén. Noct. iii. p. 48; Walk. Catal. Lep. Het. B. M. p. 1128.

S. Andamans (Port Blair).

Fam. HYPOCALIDÆ.

HYPOCALA LATIVITTA, n. sp. (Plate LX. fig. 4.)

Upperside—fore wing ochreous brown, basal portion partly covered with short dark brown strigæ, and washed with greyish white on the hind margin and before the apex; a submarginal transverse series of short black pale-bordered dentate streaks, and marginal wavy black line; orbicular and reniform marks grey-speckled: hind wing golden yellow, with a broad black marginal band and an indistinct cell-spot; cilia yellowish white, the middle portion being blackish. Thorax greyish white, collar and tegula, head, and body beneath brownish ochreous. Abdomen yellow, with a greyish dorsal streak and black anal band. Underside yellowish at base, ochreous-white on outer borders; both wings with a broad black discal band, cell-streak, and a marginal row of dots.

Nearest to *H. biarcuata*.

Expanse $1\frac{6}{8}$ inch.

S. Andamans. In coll. F. Moore.

Fam. CATOCALIDÆ.

BLÉNINA LICHENOSA, n. sp. (Plate LX. fig. 2.)

Upperside—fore wing dark sap-green, with a broad black speckled basal, sinuous-margined discal band, and a sinuous marginal line, the bands being bordered with grey speckles; a black streak near hind part of discal band; two black dots in the cell: hind wing dark golden brown, with a median discal short recurved golden-yellow band: cilia yellow posteriorly, brownish anteriorly. Thorax sap-green, grey- and black-speckled; abdomen dark brown; legs pale brown, black-streaked; antennæ and palpi black. Underside pale golden brown; fore wing crossed by a suffused black discal band, and hind wing by a broad discal and a marginal band.

Expanse $1\frac{4}{8}$ inch.

S. Andamans. In coll. F. Moore.

BLÉNINA GRISEA, n. sp. (Plate LX. fig. 1.)

Upperside—fore wing greyish, sparsely covered with sap-green speckles; crossed by a sinuous black subbasal, three discal, and a submarginal line, the space within the basal sinuous line and the upper portion of the discal lines darker green-speckled; a prominent quadrate black spot above middle of hind margin: hind wing golden yellow, with a broad golden-brown marginal band; cilia pale golden yellow at anal angle, cinereous brown at apex. Thorax grey, speckled with green and black; abdomen golden yellow. Underside pale golden brown; fore wing with an indistinct dusky black median band; hind wing with an indistinct dusky spot on anterior margin, and a broad blackish outer band; legs pale, black-speckled.

Expanse $1\frac{4}{8}$ inch.

S. Andamans. In coll. F. Moore.

Fam. OPHIDERIDÆ.

OPHIDERES AURANTIA, n. sp.

Upperside—fore wing deeply excavated on hind margin, dark ochry red, with numerous short transverse grey striæ, veins also grey-streaked; a narrow black oblique band from apex to middle of excavation on hind margin; the oblique band and two outer transverse dusky fasciæ washed inwardly with lilac: hind wing ochry yellow, with a black oval constricted spot above the anal angle and a short curved streak beyond it. Head, palpi, and antennæ dark ochry red; abdomen ochry yellow. Underside ochry yellow; fore wing with a dusky patch at apex and two short curved streaks above posterior angle; hind wing with a black spot above anal angle and an indistinct fascia beyond it.

Expanse 4 inches.

S. Andamans. In coll. British Museum.

OPHIDERES FULLONICA, Linn. (Guén. Noct. iii. p. 111).

O. pomona, Cram. Pap. Exot. i. pl. 77. f. C.

O. dioscoræ, Fabr. Spec. Ins. ii. p. 212.

S. Andamans (Port Blair).

OPHIDERES HYPERMNESTRA, Cram. Pap. Exot. iv. pl. 323. f. A, B.
S. Andamans (Port Blair).

PHYLLODES CONSOBRINA, Westw. Cabinet Orient. Ent. pl. 28.
f. 2.

P. perspicillator, Guén. Noct. iii. p. 120.
S. Andamans (Port Blair).

POTAMOPHORA MANLIA, Cram. Pap. Exot. i. pl. 92. f. A.
S. Andamans (Port Blair).

Fam. EREBIDÆ.

TAVIA SUBSTRUENS, Walk. Cat. Lep. Het. B. M. xiv. p. 1276.
S. Andamans (Port Blair).

ARGIVA HIEROGLYPHICA, Drury, Ill. Exot. Ins. ii. pl. 2. f. 1.
S. Andamans (Port Blair).

NYCTIPAO TRUNCATA, n. sp.

Male. Allied to *N. obliterans*, but differs in being smaller, the fore wing having the veins pale-streaked; an indistinct darker subapical recurved streak; the retort mark much smaller, compressed laterally and concave on its outer border, and the recurved streak beneath it not apparent; the hind wing is much smaller, shorter, and less produced at the apex.

Expanse $3\frac{1}{4}$ inches.

S. Andamans. In coll. British Museum.

NYCTIPAO CREPUSCULARIS, Linn. S. N. 2811, 13; Clerck, Icones, pl. 53. f. 1, 4.

S. Andamans (Port Blair).

Fam. OMMATOPHORIDÆ.

SPEIREDONIA RETRAHENS, Walk. Cat. Lep. Het. B. M. xiv. p. 1294.

S. Andamans (Port Blair).

SPEIREDONIA CONSPICUA, Feld. Nov.-Reise, Lep. iv. pl. 113.
f. 7.

S. Andamans (Port Blair).

Fam. HYPOPYRIDÆ.

SPIRAMA COHÆRENS, Walk. Cat. Lep. Het. B. M. xiv. p. 1321, ♀.
S. Andamans (Port Blair).

HYPOPYRA PERSIMILIS, n. sp.

Similar to *H. ossigera*, but differs on the upperside in the fore wing having a distinct brown fascia from the apex to middle of hind margin, and the marginal white lunular band prominent; in the

hind wing the outer pale dentate lunular line is nearer the margin. On the underside the black lunular bands are more curved and wider apart, the outer band being nearer the margin. From *H. fenisea* it may be distinguished by its longer fore wings.

Expanse $3\frac{1}{2}$ inches.

S. Andamans. In coll. British Museum and F. Moore.

HAMODES DISCISTRIGA, Moore, P. Z. S. 1867, p. 78.

S. Andamans (Port Blair).

ENTOMOGRAMMA FAUTRIX, Guén. Noct. iii. p. 204; Feld. Nov.-Reise, Lep. iv. pl. 115. f. 5.

S. Andamans (Port Blair).

Fam. OPHIUSIDÆ.

LAGOPTERA HONESTA, Hübn. Exot. Schmett. f. 1, 2.

S. Andamans (Port Blair).

LAGOPTERA CORONATA, Fabr. Ent. Syst. p. 596. no. 24.

L. leonina, Fabr. ib. no. 25.

L. magica, Hübn. Exot. Schmett. f. 535.

S. Andamans (Port Blair).

ACHÆA MELICERTA, Drury, Ins. i. pl. 23.

A. tigrina, Fabr. Spec. Ins. no. 52.

S. Andamans (Port Blair).

ACHÆA NUBIFERA, n. sp. (Plate LIX. fig. 9, ♂.)

Male and female. Upperside—fore wing vinous brown, crossed by an indistinct subbasal black wavy line and a discal recurved transverse sinuous line with pale lunular outer border; the disk in the male clouded with dark fuliginous brown: hind wing dark cinereous brown, crossed by a narrow white curved median band; a short ochreous streak before anal angle, a pale spot on middle of hind margin, and another at anterior angle. Thorax vinous brown; abdomen cinereous brown, anal tuft ochreous. Underside cinereous brown; disk of fore wing dark fuliginous brown; hind wing with a narrow streak at end of the cell, a transverse broad discal and narrow inner band of dark cinereous brown; palpi cinereous brown; legs cinereous brown above, femora and tibiæ ochreous beneath.

Expanse $2\frac{5}{8}$ inches.

S. Andamans. In coll. F. Moore.

OPHIUSA ARCUATA, n. sp.

Fore wing vinous greyish brown, with a broad dark brown basal band occupying one third of the wing, the band partly crossed near the base by a short pale streak, and its border slightly convex at the middle; a transverse discal band, broadest on the costa, its outer border produced to a point before the apex and then incurved to the

hind margin; two small dentate spots from the point of the band to the apex; veins on outer margin streaked with grey; hind wing dusky brown, with an indistinct pale purplish grey subbasal fascia and a streak from anal angle. Underside dusky brown, with indistinct darker sinuous transverse discal lines.

Expanse $1\frac{7}{8}$ inch.

S. Andamans. In coll. F. Moore.

This species is also common in collections from India, Ceylon, and Java, and is the species described by M. Guénée (Noct. iii. p. 269) as the *O. joviana* of Cramer, remarking that the figure of *O. joviana* (Cram. pl. 399. fig. B) was not correctly given. Unfortunately for M. Guénée, several specimens of *O. joviana* before me, from the Madras and Malabar coasts of India, perfectly agree with Cramer's figure above quoted, and are, moreover, identical with specimens, also before me, from Java, collected by the late Dr. Horsfield, to which he has applied the name of *O. myops*.

HYPETRA STIGMATA, n. sp.

Male. Upperside purple-brown: fore wing with a broad, greyish-black, basal, outwardly-oblique band; a similar band beyond, broad on the costa and including a curved brown streak and pale oblique spot, narrowing to hind margin before the angle; the interspace between the bands pale; a marginal row of pale spots and black confluent lunules; cilia brown: hind wing with a black streak from anal angle and marginal lunules beneath: cilia at apex and anal angle white.

Underside brown, crossed by a median transverse row of partly connected black spots; a cinereous silky band or patch in cell of fore wing, and a similar streak below apex of hind wing; antennæ ferruginous-brown; joints of palpi black at sides, white beneath; legs black above, white beneath; tarsi tufted and banded with white.

Expanse $1\frac{4}{5}$ inch.

Andamans. In coll. British Museum.

Fam. POAPHILIDÆ.

ILUZIA PYRALINA, n. sp.

Male. Upperside pale brownish testaceous; both wings with a nearly straight, narrow, brown pale inner-bordered band crossing from before the apex to middle of abdominal margin; a marginal row of black pointed lunules; fore wing with a brown border below the costa, a blackish spot within the cell, an oval spot at its end, and a few indistinct spots beyond; hind wing with an indistinct blackish spot in the cell, and a prominent spot outside the band.

Underside yellowish testaceous; fore wing with a black spot within and a larger spot at end of the cell, a transverse discal straight row of spots and marginal series of pointed lunules; hind wing with a large spot in the cell, two curved, discal, transverse series of spots and marginal row of pointed lunules; legs brownish, streaked with

dark brown ; palpi dark chocolate-brown, apical joint pale testaceous ; antennæ brown.

Expanse $1\frac{5}{12}$ inch.

S. Andamans. In coll. British Museum.

Fam. PLATYDIDÆ.

EPISPARI VARIALIS, Walk. Cat. Lep. Het. B. M. xvi. p. 7 (1858).

E. signata, Walker, *l. c.* Suppl. p. 1032.

S. Andamans (Port Blair).

Fam. REMIGIIDÆ.

REMIGIA ARCHESIA, Cram. Pap. Exot. iii. pl. 273. f. F, G, ♀.

P. virbia, Cram. *l. c.* f. H.

R. bifasciata, Walker, Cat. Lep. Het. B. M. Suppl. p. 1014.

S. Andamans (Port Blair).

REMIGIA GREGALIS, Guén. Noct. iii. p. 320.

S. Andamans (Port Blair).

Fam. THERMESIIDÆ.

SYMPIS TURBIDA, n. sp.

Upperside dark brown, suffused with purplish grey at the base, crossed by apparently four equidistant indistinct darker sinuous lines on the fore wing, and one across the middle of hind wing ; a small blackish spot at lower end of cell on the fore wing. Underside dull brown, outer sinuous line slightly more prominent ; hind wing with a submarginal series of pale points, one on each vein.

Expanse $1\frac{6}{8}$ inch.

S. Andamans. In coll. F. Moore.

THERMESIA RETICULATA, Walker, Cat. Lep. Het. B. M. Suppl. p. 1062.

Drepanodes scitaria, Walker, *l. c.* Geom. p. 1488.

S. Andamans (Port Blair).

AZAZIA RUBRICANS, Boisduval, Walk. Cat. Lep. B. M. xv. p. 1576.

S. Andamans (Port Blair).

MESTLETA DUPLEXA, n. sp. (Plate LX. fig. 5.)

Upperside ochreous ; a straight pale purplish-tinted band with ochreous-brown borders extending from apex to above anal angle ; fore wing crossed by a subbasal and median sinuous indistinct lines ; anterior border of hind wing pale yellow.

Underside much paler, markings nearly obsolete.

Expanse $\frac{6}{8}$ inch.

S. Andamans. In coll. F. Moore.

CAPNODES RUFESCENS, n. sp.

Male. Upperside light red; both wings crossed by rather broad dusky-grey wavy bands, which are more or less confluent; cilia purple, with a marginal whitish inner line; body dusky ferruginous.

Underside pale testaceous, speckled with ferruginous; legs pale testaceous.

Expanse $1\frac{2}{10}$ inch.

Andamans. In coll. British Museum.

CAPNODES TRIFASCIATA, n. sp.

Female. Upperside ferruginous; cilia purple; both wings crossed by three dusky-brown wavy bands and an outer lunular line, the basal and third bands traversed by a white, dotted, black, sinuous line; a marginal row of black pointed lunules.

Underside dusky-brown, palest on hind wing; both wings crossed by two curved, discal, indistinct, dusky bands; palpi and legs greyish, speckled with brown.

Expanse $1\frac{3}{10}$ inch.

Andamans. In coll. British Museum.

FASCELLINA CASTANEA, n. sp.

Differs from *F. chromataria* from Sikkim, on the fore wing, in the white spot at end of the cell being small, narrow, and pointing obliquely inward instead of outward, has also a smaller apical patch. On the underside the base of the wings is yellow, the transverse discal chestnut-brown band on the fore wing is sinuous on its outer border, and broad and produced before the apex. Other markings similar.

Expanse $1\frac{4}{8}$ inch.

S. Andamans. In coll. British Museum.

PLEURONA FALCATA. (Plate LX. fig. 6.)

Pleurona falcata, Walker, Cat. Lep. Het. B. M. Suppl. p. 1564. S. Andamans (Port Blair).

Fam. HYPENIDÆ.

HYPENA QUINQUELINEALIS, n. sp.

Upperside—fore wing purplish-cinereous; some short brown streaks on costa before the apex; three white lines with brown inner borders obliquely from apex to hind margin, an inner median wavy brown line; a brown line also on extreme outer margin, with a white ciliary border: hind wing pale testaceous white, with brown marginal line. Thorax cinereous white; abdomen testaceous white.

Underside pale testaceous; both wings reddish testaceous at the apex, and crossed by an indistinct, curved, discal, linear row of short brown streaks; legs and antennæ pale testaceous.

Expanse $\frac{5}{8}$ inch.

S. Andamans. In coll. F. Moore.

H. DENTILINEALIS, n. sp.. (Plate LX. fig. 7.)

Upperside—fore wing testaceous-white, sparsely speckled with black scales; an oblique pale brown dentated line from apex to middle of hind margin; a short, black, linear spot at upper end of the cell; an oblique submarginal series of small, indistinct, black spots: hind wing and abdomen cinereous-brown: thorax testaceous-white.

Underside—fore wing testaceous-yellow, clouded with cinereous-brown; hind wing cinereous-white; antennæ and legs cinereous-brown.

Expanse 1 inch.

S. Andamans. In coll. F. Moore.

Fam. HERMINIDÆ.

BERTULA ALBINOTALIS, n. sp.

Upperside dark purplish fawn-colour; a black, broad, subbasal, oblique band crossing both wings; a marginal wavy, yellow spotted black line; fore wing with a short, black, oblique, apical streak, which is indistinctly continued across the hind wing; a yellow oval spot at end of the cell.

Underside purplish-brown, a yellowish oval spot at end of cell in both wings. Body and legs brown.

Expanse $1\frac{1}{2}$ inch.

Andamans. In coll. British Museum.

Allied to *B. mysalis* and *B. hypenalis*, Walk., from Ceylon.

APPHADANA EVULSALIS, Walk. Cat. Lep. Het. B. M. Suppl. 1212.

S. Andamans (Port Blair).

HYDRILLODES SUBBASALIS, n. sp. (Plate LX. fig. 8.)

Upperside—fore wing blackish-brown, with a broad, subbasal, pale yellowish-testaceous band, which is slightly brown-speckled, and has a blackish dot in the cell; hind wing pale testaceous, with an indistinct dusky brown marginal band.

Underside—fore wing brown; hind wing whitish-testaceous, with a submarginal row of pale lunules, and a black streak in the cell; palpi and legs blackish, streaked with pale testaceous.

Expanse 1 inch.

S. Andamans. In coll. British Museum and F. Moore.

HYDRILLODES TRANSVERSALIS, n. sp.

Upperside pale brown; fore wing with a white zigzag median transverse line; cilia of hind wing alternate brown and grey. Underside paler; both wings with a median discal transverse darker band, which is sinuous on the hind wing; palpi and legs above black speckled.

Expanse $1\frac{1}{8}$ inch.

S. Andamans. In coll. F. Moore.

CYCLOPTERYX CANALIFERALIS, n. sp.

Upperside—fore wing pale sienna-brown, outer margin and cilia

fuliginous, with a median transverse narrow white wavy band, dentated and enclosing a small spot at end of the cell; some white speckles on costa at apex and also on the cilia: hind wing pale brown; cilia white: thorax sienna-brown, white-speckled; abdomen brown; palpi brown, basal points tipt with white. Legs white. Underside pale dusky brown, whitish at base of hind wing.

Expanse 1 inch.

S. Andamans (Port Blair). In coll. British Museum.

RIVULA BIOCULALIS, n. sp.

Pale ochry-yellow; fore wing with five short white transverse streaks on the costa, a row of white and black dots on outer margin, two pale-bordered black dots at end of the cell one above the other, and a transverse discal curved wavy brown line. Underside paler; fore wing brownish in the middle.

Expanse $\frac{4}{5}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

RIVULA OCULALIS, n. sp.

Upperside—fore wing pale testaceous, fawn-colour along the costa and exterior margin; a black spot with white centre at end of the cell; a black dot on middle of costa, and a row of pale-bordered black dots on outer margin; cilia black: hind wing pale yellowish-white, with narrow blackish marginal line; cilia white. Body and legs pale brown. Underside paler than above, markings the same.

Expanse $\frac{4}{5}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Tribe PYRALES.

Fam. PYRALIDÆ.

PYRALIS TRIFASCIALIS, n. sp. (Plate LX. fig. 9.)

Male. Upperside ferruginous; fore wing with a white costal median band, a short oblique band at apex, and a paler white band below it to hind margin; hind wing with a transverse discal white band, the inner margin of which is bordered with dark ferruginous. Underside—fore wing with white bands as above; three oblique subbasal ferruginous-brown-maculated bands with purple interspaces: hind wing crossed by ferruginous-brown bands, the interspaces white and traversed with short-brown strigæ: legs whitish, streaked with ferruginous.

Expanse $1\frac{1}{2}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

PYRALIS OCHREALIS, n. sp.

Ochry-yellow; fore wing with four darker slightly wavy transverse bands, and three on the hind wing terminating at anal angle; a darker marginal line. Body, antennæ and palpi yellow. Legs ochry-brown; fore tarsi and bands on tuft, streak beneath mid and hind tibiæ, and their tarsi white.

Expanse, ♂ $\frac{3}{4}$, ♀ 1 inch.

S. Andamans (Port Blair).

Has also been taken in Sikkim. In coll. F. Moore.

Fam. ASOPIDÆ.

SAMEA CUPRINALIS, n. sp.

Male pale purplish-yellow, diaphanous; cilia whitish, alternated with brown; fore wing with two cupreous-brown spots in the cell, beneath which are two narrow wavy lines, a broad outer marginal band bordered by a narrow wavy inner line; hind wing with a pale-centred brown spot at end of cell and a narrow line beneath, a broad marginal band and inner wavy bordered line. Body purplish-yellow, brown-speckled; anal tuft white, antennæ pale brown. Legs pale-yellowish, fore legs and middle femora and tibiæ with a black spot at the joints.

Expanse $\frac{6}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

SAMEA PURPURASCENS, n. sp.

Male. Upper and underside very pale purplish grey; fore wing with two blackish-bordered pearly white spots within the cell, and a short transverse series of smaller contiguous spots before the apex; two indistinct median transverse dusky-brown bands, which also cross the hind wings; outer edges of wings brown. Legs whitish, banded with brown.

Expanse $\frac{8}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

ASOPIA LIMBOLALIS, n. sp.

Upperside silky gamboge-yellow; fore wing with four and hind wing with two short oblique transverse ochry-red bands; both wings with a broad golden-brown pale-bordered marginal band. Cilia of fore wing yellow, of hind wing brown, bordered by a blackish marginal line. Body ochry-brown above, beneath and legs yellowish-white. Palpi ochry-yellow. Underside pale silky-yellow with broad golden-brown band.

Expanse $\frac{7}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

LEUCINODES ORBONALIS, Guén. Delt. et Pyr. p. 223 (1854).

S. Andamans (Port Blair).

COPTOBASIS ANDAMANALIS, n. sp. (Plate LX. fig. 14.)

Allied to *Cop. æmealis*, Walk.

Glossy cupreous-brown; fore wing with a pale yellowish spot at end of the cell, an oval spot beyond, and a smaller one beneath them; hind wing with two yellow median transverse spots. Cilia cinereous. Body above brown, beneath whitish. Palpi black tipped. Base of tibiæ and first joint of tarsi banded with black.

Expanse $\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

COPTOBASIS LUNALIS, Guén. Delt. et Pyr. p. 352.

Botys Thyasalis, Walk. Catal. Lep. B. M. xviii. p. 734.

S. Andamans (Port Blair).

COPTOBASIS CUPREALIS, n. sp. (Plate LX. fig. 13.)

Upperside bright coppery-brown; fore wing with three equidistant transverse black narrow bands; hind wing with two transverse bands, the outer one short, a marginal and ciliary black line. Underside paler, cinereous brown at base; transverse lines indistinct. Base of palpi white. Legs cinereous, fore and mid tibiæ with black bands.

Expanse 1 inch.

S. Andamans (Port Blair). In coll. F. Moore.

PHYSEMATIA CONCORDALIS, Lederer, Wien. ent. Monat. vii. p. 447, pl. 17. f. 14 (1863).

Nicobars.

DICHOCROSIS FRENATALIS, Lederer, Wien. ent. Monat. viii. p. 447, pl. 17. f. 15 (1863).

Nicobars.

Fam. HYDROCAMPIDÆ.

OLIGOSTIGMA SEXPUNCTALIS, n. sp. (Plate LX. fig. 12.)

Male. Fore wing ochry-yellow, with a black line on base of costa, a triangular spot bordered with silver beyond, two oblique subapical short bands from the apex, both lined within with silver, and a prominent silver streak with indistinct blackish lower border beneath the cell: hind wing transparent white at base, yellow at apex, a marginal quadrate black spot adorned with varied metallic scales, the cilia adjoining marked with six black spots with white interspaces; a short indistinct black-speckled streak bordered with silver above the black spot. Body pale ochreous, whitish beneath. Antennæ brown. Legs ochreous, streaked with brown.

Expanse $\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

OLIGOSTIGMA PARVALIS, n. sp.

White: fore wing with a golden-yellow band on the costa, exterior, and hind borders, and short subapical bands; the band on exterior border with black margins: hind wing with two golden-yellow bands, each black-margined; a black spot on outer band below the apex.

Expanse $\frac{4}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

Fam. SICULIDÆ.

RHODONEURA RETICULARIS, n. sp.

Silvery white, veins of fore wing blackish. Upperside with blackish hexagonal-shaped reticulations; many of the spaces on fore wing

centred by a short streak. Underside as above; space within the cell and apex of fore wing slightly cupreous. Abdomen narrowly banded with black. Palpi and legs grey, tarsi banded with black. Antennæ brown.

Expanse $1\frac{1}{8}$ inch.

S. Andamaus (Port Blair). In coll. British Museum.

RHODONEURA TETRAONALIS, n. sp. (Plate LX. fig. 10.)

Male and female, silvery white. Upperside of both wings with numerous delicate greyish-black strigæ, crowded and slightly reticulated on the fore wing, and transversely and lineally disposed on the hind wing; fore wing with a darker streak on a space free from strigæ near posterior angle, and a black dot at the apex. Abdomen with slight dorsal black bands. Underside as above, metallic, silvered below the costa, strigæ darker, and streak on fore wing near posterior angle prominent; apical black spot large and centred with a white dot. Legs banded with black.

Expanse $\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

Allied to *R. puralis* and *R. bastialis*, Walk.

RHODONEURA MARMOREALIS, n. sp.

Male. Silvery white. Upperside reticulated with delicate greyish-black strigæ; costa of fore wing blackish, the edge dotted with white. Abdomen blackish-cinereous at tip, tuft brown. Underside reticulated as above; costa cupreous-brown. Legs greyish white; tibiæ streaked and tarsi banded with white.

Expanse $\frac{6}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

Fam. SPILOMELIDÆ.

PHALANGIODES NEPTISALIS, Cram. Pap. Exot. iii. pl. 264. f. F; Guén. Delt. et Pyr. p. 279.

S. Andamans (Port Blair).

PYCNARMON OBINUSALIS (*Astura ob.*), Walk. Catal. Lep. B. M. xviii. p. 549.

Nicobars (Kamorta), April, *Meldola*.

PYCNARMON DISCINOTALIS, n. sp.

Allied to *P. (Zebronia) plutusalis*, Walk.

White: fore wing with four and hind wing with three dark-yellow transverse bands; the inner discal band on both wings bent towards the posterior angle; also a similar-coloured band on the outer margin, and dark band on cilia; a black spot within the cell.

Expanse $\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

May be distinguished from *P. plutusalis* by both wings having an

additional yellow band immediately on the outer margin, and only one dark band on cilia.

CONCHYLODES ÆRIFERALIS, n. sp.

Allied to *C. (Zebronia) lactiferalis*, Walk.

Wings pale brassy-yellow, costa whitish; fore wing with two black spots in the cell, first minute, a streak below each, a streak from costa before the apex terminating on a spot near posterior angle; two small spots on costa, one near base, the other before outer streak; hind wing with a black spot within the cell, another near middle of outer margin, and wavy transverse streak terminating in a spot on margin above anal angle. Body and legs white; antennæ yellowish.

Expanse $\frac{8}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Fam. MARGARONIDÆ.

GLYPHODES ACTORIONALIS, Walker, Catal. Lep. Het. B. M. xvii. p. 498 (1859).

S. Andamans (Port Blair.)

GLYPHODES MARGINALIS, n. sp. (Plate LX. fig. 15.)

Male. Silvery white; both wings with a broad marginal brown band, bordered inwardly by a wavy black line; fore wing with a brown streak along base of costa, a transverse narrow outward-curved subbasal band and a large spot at end of the cell; hind wing with an outward-curved brown streak below the cell. Body above silvery white; a dorsal streak from head to anal tuft, and sides of thorax brown; tuft yellow. Palpi brown. Legs whitish. Underside much paler-marked.

Expanse 1 inch.

S. Andamans. In coll. F. Moore.

SYNCLERA CÆSALIS (*Glyph. cæs.*), Walk. (*l. c.*) p. 449.

S. Andamans (Port Blair).

CYDALIMA LATICOSTALIS (*Margarodes lat.*), Guén. Delt. et Pyr. p. 303, ♀ (1854).

Marg. leodicealis, Walker, Catal. Lep. B. M. pt. xviii. p. 529.

S. Andamans (Port Blair).

PACHYARCHES MALIFERALIS, Walk. Catal. Lep. Het. B. M. Suppl. p. 1363 (1865).

S. Andamans (Port Blair).

PACHYARCHES TIBIALIS, n. sp.

Male. Pale green above, tinged with pale brown beneath; cilia cinereous; a woolly tuft near anal angle beneath; palpi green, white beneath; abdomen blackish at the tip; legs pale green; fore tibiæ

at the apex and a tuft on first joint of tarsi ochreous ; hind tibiæ clothed with brown hairs above.

Expanse $1\frac{1}{8}$ inch.

S. Andamans. In coll. British Museum.

Calcutta District. In coll. F. Moore.

Allied to *P. maliferalis*, but differs in the absence of the black spot at end of the cell in both wings, and in the different-coloured palpi.

AUXOMITIA MIRIFICALIS, Lederer, Wien. ent. Monat. vii. p. 391, pl. 13. f. 1 (1863).

Nicobars ; S. Andamans (Port Blair).

Fam. BOTYDÆ.

BOTYS ILLISALIS, Walker, Catal. Lep. Het. B. M. xviii. p. 653 ; Lederer, Wien. ent. Mon. vii. pl. 9. f. 12.

S. Andamans (Port Blair).

BOTYS MULTILINEALIS, Guén. Delt. et Pyr. p. 327, pl. 8. f. 11 ; Lederer, Wien. ent. Mon. vii. pl. 11. f. 3.

Zebronia salomealis, Walk. Catal. Lep. B. M. xviii. p. 476.

B. annuligeralis, Walk. (*l. c.*) Suppl. p. 1424.

S. Andamans (Port Blair).

BOTYS SCINISALIS. (Plate LX. fig. 11.)

Botys scinialis, Walker, Catal. Lep. B. M. xviii. p. 648 (1859).

B. disjunctalis, Walk. Des. of Und. Lep. Het. p. 96 (1869).

S. Andamans (Port Blair).

BOTYS ARDEALIS, Felder, Novara-Reise, Lep. iv. pl. 131. f. 31.
Nicobars.

BOTYS STULTALIS, Walker, Catal. Lep. Het. B. M. xviii. p. 669
S. Andamans (Port Blair).

BOTYS THOASALIS. (Plate LX. fig. 16.)

Botys thoasalis, Walk. (*l. c.*) p. 692.

S. Andamans (Port Blair).

BOTYS VINACEALIS, n. sp.

Allied to *B. caletorialis*, Walk.

Male. Pale glossy purplish-brown ; fore wing with an indistinct blackish streak crossing end of the cell, a transverse zigzag line before the apex, another below the cell, and a similar recurved zigzag line on hind wing ; both wings with a marginal row of narrow blackish lunules. Body and antennæ pale brown, tip of abdomen above white. Fore legs with white bands, mid legs streaked laterally with white ; palpi dark brown, basal joint white.

Expanse $1\frac{2}{10}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

BOTYS ABSTRUSALIS, Walk. Catal. Lep. B. M. xvii. p. 663.

B. retractalis, Walk. (*l. c.*) Suppl. p. 1447.

S. Andamans (Port Blair).

BOTYS OPALINALIS, n. sp.

Upperside pale silky brownish yellow with greyish opaline reflections; fore wing with two very indistinct brownish spots in the cell and a recurved transverse discal line. Body and legs ochreous-white; palpi and antennæ brown. Underside ochreous-white.

Allied to *B. megapteralis*, Walk.

Expanse $1\frac{5}{8}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

BOTYS IMMUNDALIS, Walk. Catal. Lep. Het. B. M. Suppl. p. 1448.

S. Andamans (Port Blair).

Tribe CRAMBICES.

Fam. GALLERIDÆ.

PROPACHYS LINEALIS, Moore, P. Z. S. 1867, p. 665, pl. 33. fig. 17.

S. Andamans (Port Blair).

Tribe URANIDES.

Fam. NYCTALEMONIDÆ.

NYCTALEMON NAJABULA, n. sp.

Smaller and of a much darker fuliginous-brown colour, both above and below, than the Indian *N. zampa* and the Malayan *N. docile*, and has a narrower median transverse pale band on both wings above than the former species; and on the underside these bands are well defined and narrow.

Expanse 5 inches.

S. Andamans (Port Blair). In coll. F. Moore.

Tribe GEOMETRES.

Fam. URAPTERIDÆ.

URAPTERYX CROOPTERATA, Kollar, Hügel's Kasch. iv. p. 483 (1844).

S. Andamans (Port Blair).

Fam. ENNOMIDÆ.

HYPERYTHRA LUTEA, Cram. Pap. Exot. iv. pl. 370. f. C, D, ♀.

H. limbolaria, Guén. Phal. i. p. 101, pl. 3. f. 3, 4, ♀.

H. susceptaria, Walk. Catal. Lep. B. M. Suppl. p. 1664, ♀.

H. penicillaria, Guén. (*l. c.*) p. 101, ♂.

S. Andamans (Port Blair).

OMIZA AFFINIS, n. sp.

Differs from *O. pachiaris*, Walk., from Sikkim, above in being more uniformly coloured, the transverse band more prominent, and beneath in the darker and uniform chrome-colour of both wings, a smaller spot at end of the cells, and in the hind wing having a distinct recurved median band formed of dark chrome-coloured speckles.

Expanse $1\frac{7}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Fam. BOARMIDÆ.

AMBLYCHIA TORRIDA, n. sp.

Similar to *A. angeronaria* from Sikkim, but differs in the fore wing both above and beneath in having the transverse median pale maculated band terminating very broadly on the costa in the male, and in broad quadrate spots in the female. On the underside the distinct subbasal curved dusky band which crosses both wings of *A. angeronaria* are obsolete, and the outer transverse lunular bands are replaced by a uniform broad pale brownish fascia.

Expanse, ♂ $3\frac{1}{4}$, ♀ $3\frac{3}{4}$ inches.

S. Andamans (Port Blair). In coll. British Museum and F. Moore.

HYPOCHROMA PERFECTARIA, Walk. Catal. Lep. B. M. p. 434.

H. nyctemerata, Walk. l. c. Suppl. p. 1543.

S. Andamans (Port Blair).

BITHIA EXCLUSA (*Hemerophila ex.*), Walk. Catal. Lep. B. M. xxii. p. 320 (1861).

Acidalia imprimata, Walk. l. c. p. 771.

Macaria obstataria, Walk. l. c. p. 928.

B. lignaria, Walk. l. c. Suppl. p. 1600.

S. Andamans (Port Blair).

Fam. GEOMETRIDÆ.

THALASSODES CÆLATARIA, Walk. Catal. Lep. B. M. xxii. p. 552.

S. Andamans (Port Blair).

Fam. PALYADÆ.

EUMELIA LUDOVICATA, Guén. Phal. i. p. 393.

S. Andamans (Port Blair).

Fam. ACIDALIDÆ.

TRYGODES DIVISARIA (*Macaria div.*) Walk. Catal. Lep. B. M. xxiii. p. 927.

S. Andamans (Port Blair).

ACIDALIA ATTENTATA, Walk. Catal. Lep. B. M. xxiii. p. 754.

S. Andamans (Port Blair).

ACIDALIA REMOTATA, Guén. Phal. i. p. 458.

S. Andamans (Port Blair).

ZANCLOPTERYX SAPONARIA, H. Schäff. (Walk. Catal. Lep. B. M. xxiii. p. 810).

S. Andamans (Port Blair).

Fam. MICRONIDÆ.

MICRONIA VAGATA, n. sp. (Plate LX. fig. 18.)

Male. Form and pattern of *M. caseata*, Guén., from Java, Smaller in size, and pure white above, the oblique bands formed of short narrow grey strigæ and less prominent; the margins of the bands not linearly defined as in that species, being composed of more straggling strigæ, thus giving less open interspaces between the bands. Underside pale grey.

Expanse $1\frac{3}{10}$ inch.

S. Andamans (Port Blair). In coll. F. Moore.

MICRONIA ACULEATA, Guén. Phal. ii. p. 26, pl. 13. f. 8.

S. Andamans (Port Blair).

MICRONIA OBTUSATA, Guén. Phal. ii. p. 25, pl. 5. f. 6.

S. Andamans (Port Blair).

MICRONIA OBLIQUARIA, n. sp. (Plate LX. fig. 17.)

White. Upperside with numerous short transverse dusky brown strigæ uniformly disposed: fore wing with two oblique dusky brown bands, formed by confluent strigæ proceeding from the apex and crossing the hind wing to abdominal margin; the hind wing also with an outer but less distinctly formed transverse band; a narrow black wavy marginal line on both wings, and small lanceolate spot at middle angle of hind wing. Underside white, with the bands indistinctly visible. Palpi and tarsi fuliginous.

Expanse $1\frac{1}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

This species is also found at Darjiling.

ZOMIA PALLIDA, n. sp.

Fore wing pale greyish-white, sparsely streaked with brown, an indistinct transverse subbasal curved pale brown band and curved streak before posterior angle; hind wing pale ochreous at base. Body and legs pale brown; antennæ and palpi dark brown. Underside pale whitish testaceous.

Expanse $1\frac{1}{8}$ inch.

S. Andamans (Port Blair). In coll. British Museum.

Fam. MACARIDÆ.

MACARIA NORA, Walk. Catal. Lep. B. M. xxiii. p. 934.

S. Andamans (Port Blair).

Tribe TORTRICES.

GRAPHOLITHA NOVARANA, Felder, Novara-Reise, Lep. iv. pl. 137. f. 49.

Nicobars.

CHOREUTES NOVARÆ, Felder, Novara-Reise, Lep. iv. pl. 138. f. 14.

Nicobars.

Tribe TINEINES.

Fam. GELECHIDÆ.

BINSITTA NIVIFERANA, Walk. Catal. Lep. B. M. pt. xxix. p. 832.

S. Andamans (Port Blair).

BLABOPHANES INSULARIS, Felder, Novara-Reise, Lep. iv. pl. 140. f. 21.

S. Andamans (Port Blair).

SYME ORBICULARIS, Felder, Novara-Reise, Lep. iv. pl. 140. f. 27.

S. Andamans (Port Blair).

Tabular List, showing Geographical Distribution.

	Andamans.	Nicobars.	Sumatra.	Java.	Malay penin- sula.	Burmah.	N.E. India.	S. India.	Ceylon.
PAPILIONES.									
Fam. <i>Danaidæ</i> .									
Danais limniace.....	...	*	*	*	*	*
— agleoides	*	...	*	*	*			
— grammica	*	*	*	*	*			
— melanoleuca, n. sp.	*								
— nesippus	*							
— plexippus	*	...	*	*	...	*	*	
Euplœa novaræ.....	...	*							
— esperi	*							
— andamanensis	*								
— camorta, n. sp.	*							
Hestia agamarschana	*								
Fam. <i>Satyridæ</i> .									
Lethe europa	*	*	*	...	*	*	
Melanitis leda	*	*	*	*	*

Tabular List (continued).

	Andamans.	Nicobars.	Sumatra.	Java.	Malay penin- sula.	Burmah.	N.E. India.	S. India.	Ceylon.
<i>Mycalesis medus</i>	*	*	*	*	..			
— <i>drusia</i>	*	*	*		
— <i>samba</i>	*	*		
— <i>radza</i> , n. sp.	*								
<i>Elymnias cottonis</i>	*								
Fam. <i>Morphidæ</i> .									
<i>Amathusia phidippus</i>	*	*			*		
<i>Discophora celine</i>	*	*		
Fam. <i>Nymphalidæ</i> .									
<i>Cethosia nicobarica</i>	*							
<i>Cirrochroa anjira</i> , n. sp.	*								
<i>Cynthia erota</i>	*	*		
<i>Messaras nicobarica</i>	*							
<i>Atella alcippe</i>	*	*		
<i>Pyrameis cardui</i>	*	*	*	*	*
<i>Junonia cenone</i>	*	*	..	*	..	*	
— <i>nicobariensis</i>	*							
<i>Doleschallia pratipa</i>	*	*	..	*		
<i>Kallima albofasciata</i> , n. sp.	*								
<i>Eurytela horsfieldi</i>	*	*					
<i>Cyrestis formosa</i>	*								
<i>Diadema bolina</i>	*	*	*	*
— <i>jacintha</i>	*	*	*	*	*
<i>Herona andamana</i> , n. sp.	*								
<i>Parthenos gambrisius</i>	*	*		
<i>Limenitis anarta</i> , n. sp.	*								
<i>Neptis andamana</i> , n. sp.	*								
— <i>mananda</i> , n. sp.	*								
— <i>nicobarica</i> , n. sp.	*							
— <i>cnacalis</i>	*								
<i>Tanaëcia eibaritis</i>	*								
— <i>acontius</i>	*								
<i>Symphædra teutoides</i> , n. sp.	*								
Fam. <i>Lemoniidæ</i> .									
<i>Abisara kausambi</i>	*	..	*	*	*				
— <i>bifasciata</i> , n. sp.	*								
Fam. <i>Lycænideæ</i> .									
<i>Curetis saronis</i> , n. sp.	*								
<i>Pithecops hylax</i>	*	..	*	*					
<i>Castalias ethion</i>	*	*	*
— <i>elna</i>	*	..	*	*					
— <i>manluena</i>	*							
<i>Lampides ælianus</i>	*	*	*	..	*	*	*
— <i>cnejus</i>	*	..	*	*	*	
— <i>pandava</i>	*	*	*	*	..	*
— <i>strabo</i>	*	*	*	*	*
— <i>kinkurka</i>	*							
— <i>kankena</i>	*							

Tabular List (continued.)

	Andamans.	Nicobars.	Sumatra.	Java.	Malay penin- sula.	Burmah.	N.E. India.	S. India.	Ceylon.
<i>Lampides kondulana</i>	*	*							
<i>Lycænesthes macrophthalma</i> ...	*	*							
<i>Lycæna sangra</i>	*	*	*	...	*
<i>Aphnaeus zoilus</i> , n. sp.	*								
<i>Hypolycæna andamana</i> , n. sp....	*								
— <i>eltola</i>	*								
<i>Sithon areca</i>		*							
— <i>kamorta</i>		*							
<i>Deudorix orseis</i>		*	*						
— <i>epijarbas</i>	*	*	...	*
<i>Myrina prabha</i> , n. sp.	*								
<i>Amblypodia zeta</i> , n. sp.	*								
— <i>nakula</i>	*	*				
<i>Fam. Pieridæ.</i>									
<i>Terias formosa</i>	*	*					
— <i>nicobariensis</i>	*	*							
<i>Hebomoia glaucippe</i>	*	*	...	*	*	...	*
<i>Ixias andamana</i> , n. sp.	*								
<i>Appias galathea</i>		*							
<i>Catopsilia catilla</i>	*	*	*	...	*	*	*
— <i>crocale</i>	*	*	...	*	*	*	*
— <i>chryseis</i>	*	*	*
<i>Pieris nama</i>	*	*		
— <i>lichenosa</i> , n. sp.	*								
<i>Eronia naraka</i> , n. sp.	*								
<i>Fam. Papilionidæ.</i>									
<i>Ornithoptera heliconoides</i> , n. sp. .	*								
<i>Papilio mayo</i>	*								
— <i>charicles</i>	*								
— <i>rhodifer</i>	*								
— <i>camorta</i> , n. sp.	*							
— <i>nicobarus</i>		*							
— <i>agamemnon</i>	*	*	...	*	*	...	*	*	*
— ? <i>eurypilus</i> (? <i>Axion</i>)	*	...	*	...	*				
— <i>antiphates</i>	*	...	*	*	*		
<i>Fam. Hesperidæ.</i>									
<i>Ismene chromus</i>	*	...	*	*	*	*
— <i>malayana</i>	*	*				
<i>Tagiades alica</i> , n. sp.	*								
— <i>helferi</i>	*							
<i>Plesioneura alysos</i>	*	...	*	*	*	*	*
<i>Hesperia cabira</i> , n. sp.	*								
— <i>oceia</i>	*								
— <i>colaca</i> , n. sp.	*								
— <i>mathias</i>	*	...	*	*	*	*
— <i>beturia</i>	*	*	*	*
<i>Telegonus thyrsis</i>	*	*	...	*	*	*	*
<i>Pamphila purreea</i> , n. sp.	*								
— <i>gola</i> , n. sp.	*								
— <i>mesoides</i>	*	*	*	*

